

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060147.D
 Acq On : 28 Aug 2018 14:00
 Operator : VA/AP
 Sample : VF0828SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBSD01

Manual Integrations
 APPROVED

apatel
 8/29/2018 11:03:34 AM

Quant Time: Aug 28 15:09:27 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	153305	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	206773	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	229783	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	147125	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	93055	44.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.70%	
35) Dibromofluoromethane	4.29	113	90978	56.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	7.71	98	229584	49.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.50	95	128213	52.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	49825	24.69	ug/l	96
3) Chloromethane	1.08	50	30383	21.05	ug/l	96
4) Vinyl Chloride	1.12	62	23487	18.74	ug/l	92
5) Bromomethane	1.31	94	20525	21.55	ug/l	98
6) Chloroethane	1.39	64	12748	25.81	ug/l	96
7) Trichlorofluoromethane	1.48	101	74673	29.63	ug/l	94
8) Diethyl Ether	1.71	74	6006	13.33	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	27341	20.67	ug/l #	86
10) Methyl Iodide	1.93	142	25300	14.47	ug/l #	86
11) Tert butyl alcohol	2.67	59	8976	80.42	ug/l #	79
12) 1,1-Dichloroethene	1.82	96	19474	19.98	ug/l #	70
13) Acrolein	2.18	56	457	32.32	ug/l	85
14) Allyl chloride	2.19	41	34512	19.94	ug/l	89
15) Acrylonitrile	3.07	53	17413	79.05	ug/l	94
16) Acetone	2.34	43	46772	84.82	ug/l #	88
17) Carbon Disulfide	1.84	76	63690	20.87	ug/l	98
18) Methyl Acetate	2.45	43	16628	14.76	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	59065	18.92	ug/l	99
20) Methylene Chloride	2.28	84	26953	21.94	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	23883	21.90	ug/l	97
22) Diisopropyl ether	2.92	45	74398	19.20	ug/l	93
23) Vinyl Acetate	3.32	43	152657	74.35	ug/l	98
24) 1,1-Dichloroethane	3.00	63	61540	25.70	ug/l	97
25) 2-Butanone	4.49	43	53081	74.11	ug/l #	92
26) 2,2-Dichloropropane	3.76	77	60566	24.45	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	30479	19.72	ug/l	91
28) Bromochloromethane	3.88	49	19635	19.42	ug/l	88
29) Tetrahydrofuran	4.24	42	18160	67.15	ug/l	97
30) Chloroform	4.03	83	71765	21.35	ug/l	90
31) Cyclohexane	3.85	56	35700	19.57	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	73910	25.68	ug/l	97
36) 1,1-Dichloropropene	4.46	75	44800	23.06	ug/l	98
37) Ethyl Acetate	4.28	43	17300	14.89	ug/l #	44
38) Carbon Tetrachloride	4.16	117	61176	27.19	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	38904	21.35	ug/l	89
40) Benzene	4.80	78	89702	21.13	ug/l	99
41) Methacrylonitrile	4.91	41	9799	16.67	ug/l #	92
42) 1,2-Dichloroethane	5.12	62	50764	22.30	ug/l	95
43) Isopropyl Acetate	7.11	43	22085	15.10	ug/l #	97
44) Trichloroethene	5.67	130	31163	22.21	ug/l	94
45) 1,2-Dichloropropane	6.40	63	24504	20.41	ug/l	99
46) Dibromomethane	6.25	93	17997	19.16	ug/l	98
47) Bromodichloromethane	6.55	83	52054	22.94	ug/l #	95
48) Methyl methacrylate	6.86	41	13971	14.43	ug/l	94
49) 1,4-Dioxane	6.86	88	2451	263.80	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	109212	86.47	ug/l	98
52) Toluene	7.78	92	73302	24.32	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	42667	20.73	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	46198	20.11	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	21877	19.10	ug/l	96
56) Ethyl methacrylate	8.75	69	23182	16.72	ug/l	92
57) 1,3-Dichloropropane	8.99	76	37099	18.43	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	14045	127.63	ug/l	100
59) 2-Hexanone	9.62	43	95243	93.17	ug/l	98
60) Dibromochloromethane	8.85	129	34335	20.31	ug/l	91
61) 1,2-Dibromoethane	9.13	107	22259	16.55	ug/l	98
64) Tetrachloroethene	8.30	164	35030	22.63	ug/l	98
65) Chlorobenzene	9.94	112	100619	23.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	33557	20.39	ug/l	94
67) Ethyl Benzene	10.04	91	179221	23.94	ug/l	98
68) m/p-Xylenes	10.26	106	123023	45.03	ug/l	85
69) o-Xylene	10.82	106	66089	22.53	ug/l	89
70) Styrene	10.90	104	103355	22.97	ug/l	99
71) Bromoform	10.88	173	20307	17.69	ug/l	96
73) Isopropylbenzene	11.23	105	212456	23.99	ug/l	100
74) N-amyl acetate	11.46	43	43730	15.89	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	31496	16.28	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	25236	16.83	ug/l	85
77) Bromobenzene	11.59	156	49806	20.68	ug/l	96
78) n-propylbenzene	11.68	91	264103	24.16	ug/l	95
79) 2-Chlorotoluene	11.81	91	147380	22.93	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	190249	24.66	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	12014m	17.51	ug/l	
82) 4-Chlorotoluene	11.99	91	161994	23.21	ug/l	96
83) tert-Butylbenzene	12.21	119	173696	23.08	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	186790	22.77	ug/l	95
85) sec-Butylbenzene	12.39	105	241875	23.09	ug/l	99
86) p-Isopropyltoluene	12.54	119	205709	23.67	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	97951	22.00	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	96373	21.78	ug/l	97
89) n-Butylbenzene	12.92	91	194524	23.04	ug/l	95
90) Hexachloroethane	12.99	117	44376	22.72	ug/l	80
91) 1,2-Dichlorobenzene	13.02	146	90528	21.14	ug/l	96
93) 1,2,4-Trichlorobenzene	14.26	180	61237	19.42	ug/l	97

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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)
94) Hexachlorobutadiene	14.25	225	44428	22.63	ug/l	99
95) Naphthalene	14.52	128	67997	14.14	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	54355	18.06	ug/l	97

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

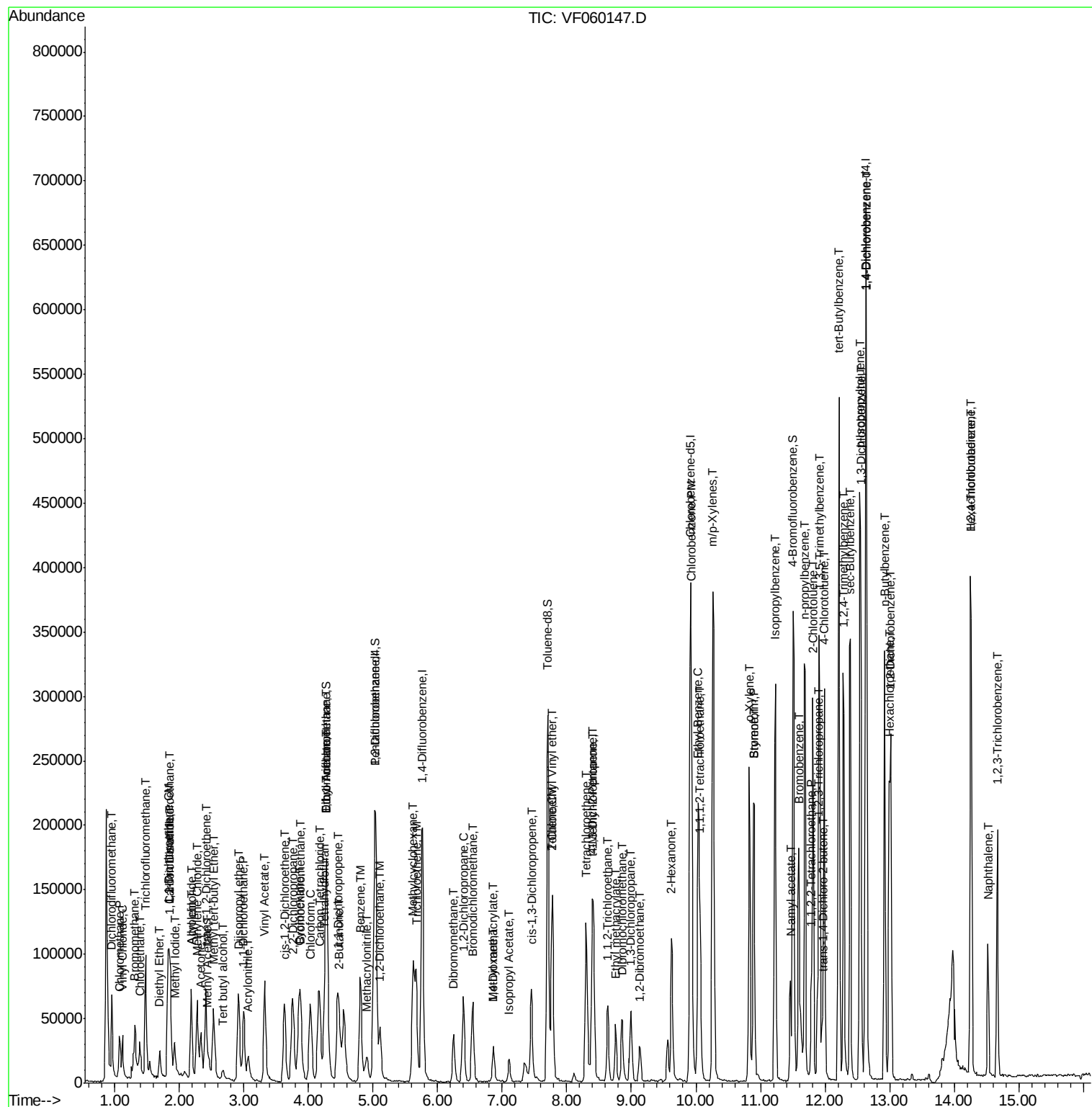
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082818\
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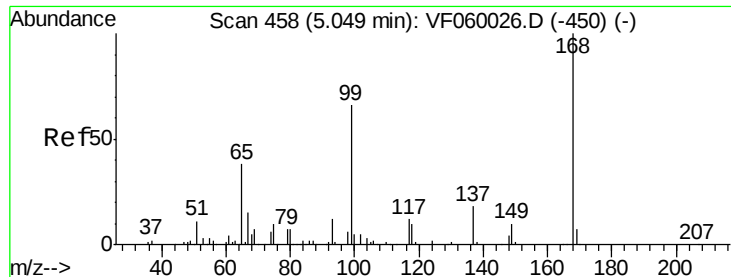
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:168 Resp: 153305

Ion Ratio Lower Upper

168 100

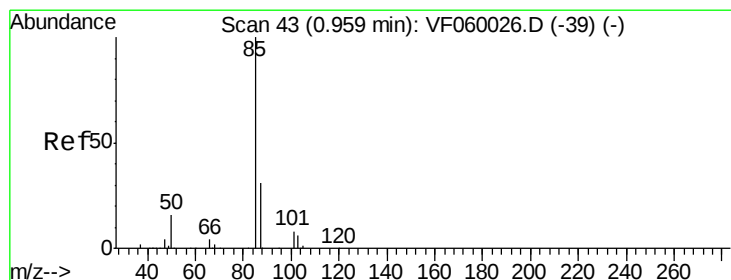
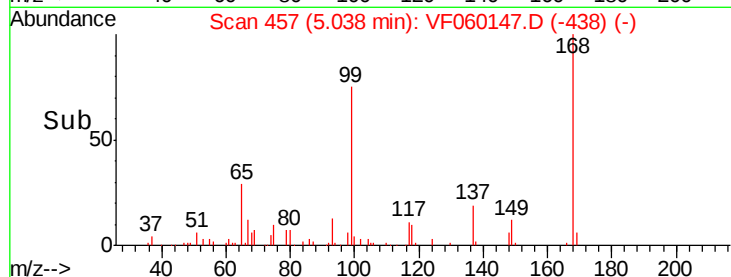
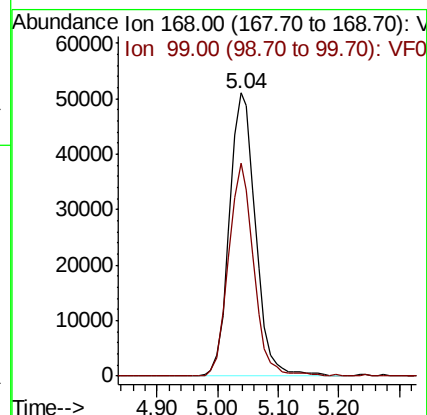
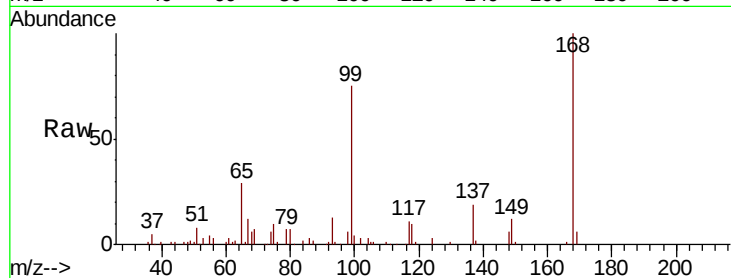
99 75.1 52.6 79.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 24.69 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060147.D

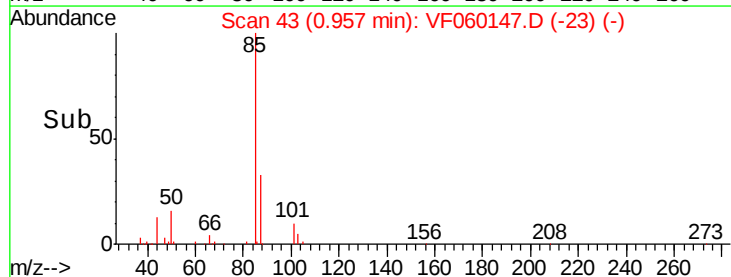
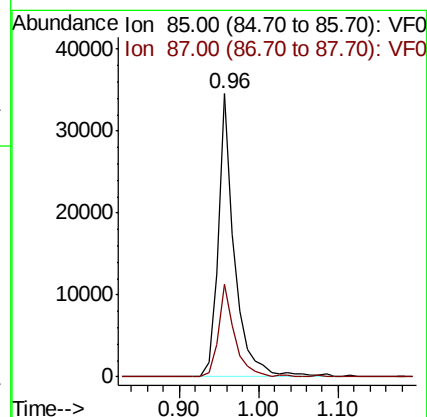
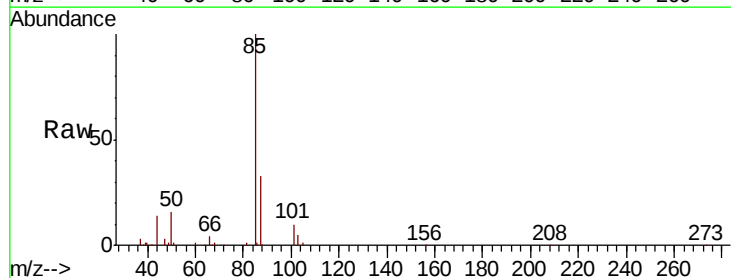
Acq: 28 Aug 2018 14:00

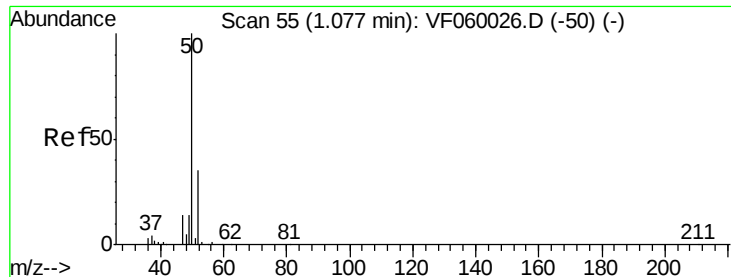
Tgt Ion: 85 Resp: 49825

Ion Ratio Lower Upper

85 100

87 32.9 15.3 45.9





#3

Chloromethane

Concen: 21.05 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 50 Resp: 30383

Ion Ratio Lower Upper

50 100

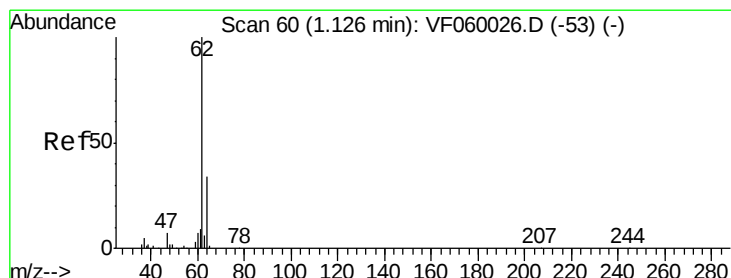
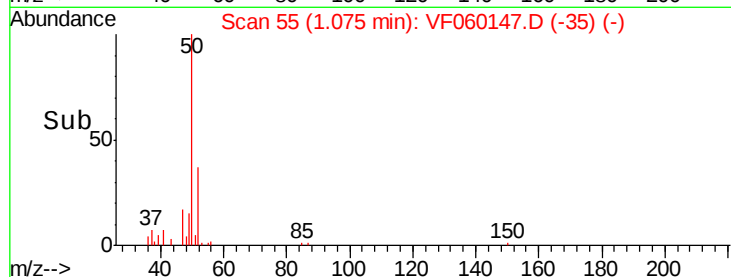
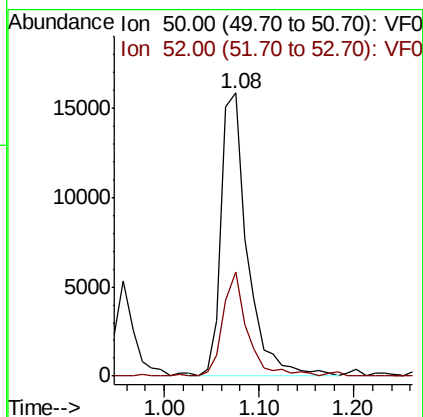
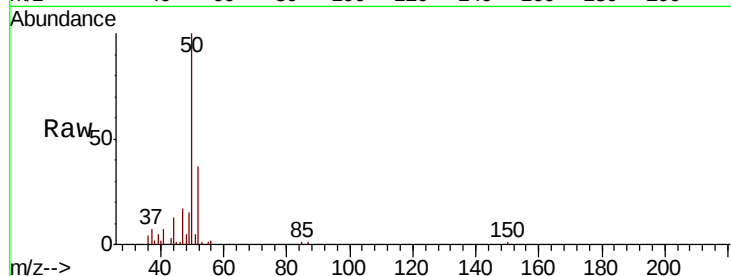
52 36.8 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.74 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060147.D

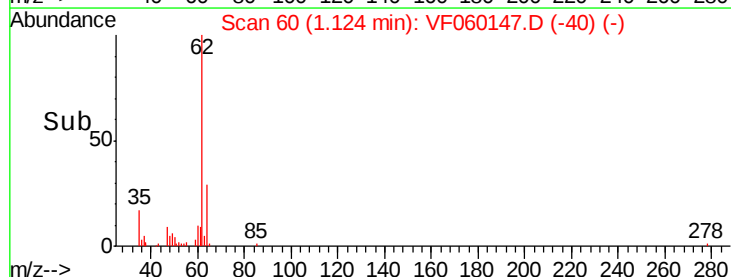
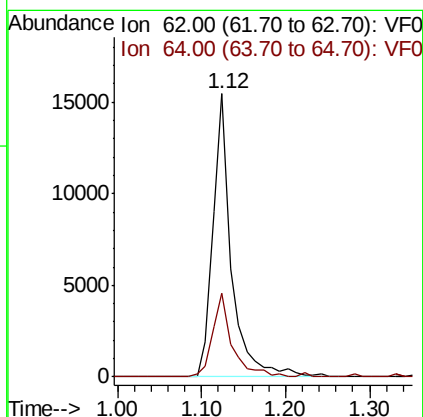
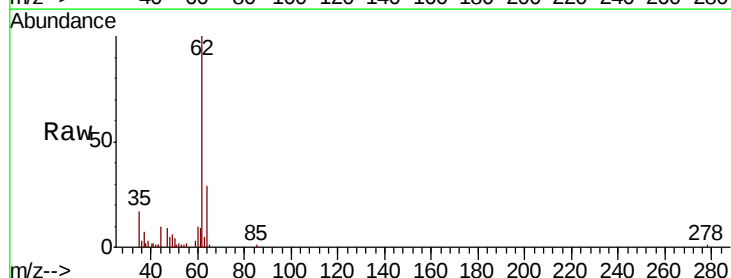
Acq: 28 Aug 2018 14:00

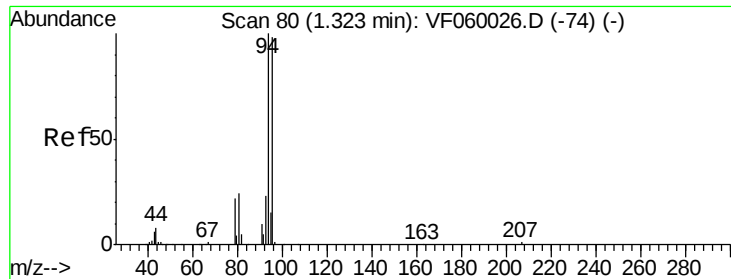
Tgt Ion: 62 Resp: 23487

Ion Ratio Lower Upper

62 100

64 29.5 27.4 41.2





#5

Bromomethane

Concen: 21.55 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

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ClientSampleId :

VF0828SBS01

Tot Ion: 94 Resp: 20525

Ion Ratio Lower Upper

94 100

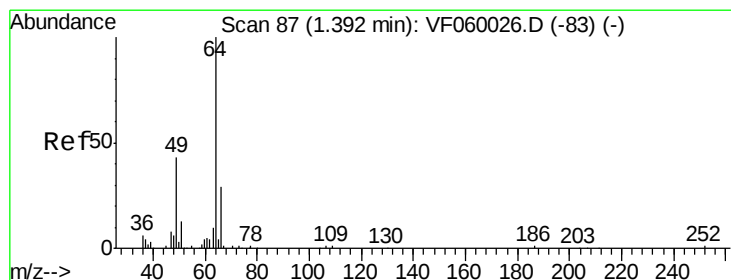
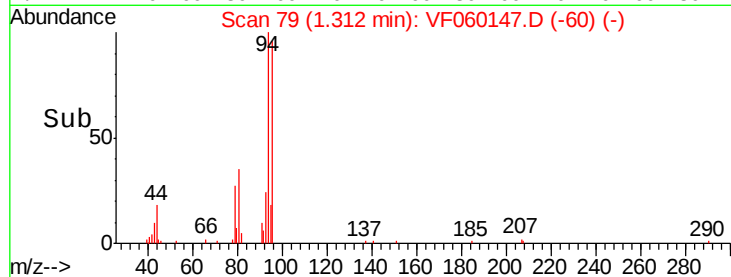
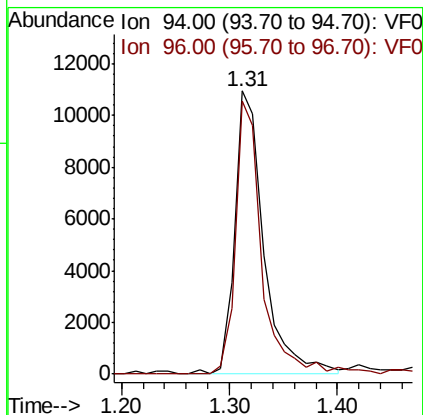
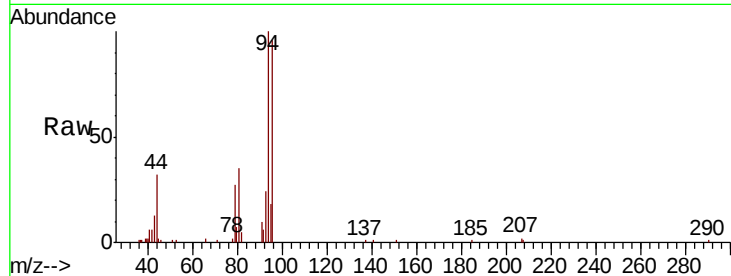
96 96.4 78.6 118.0

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#6

Chloroethane

Concen: 25.81 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060147.D

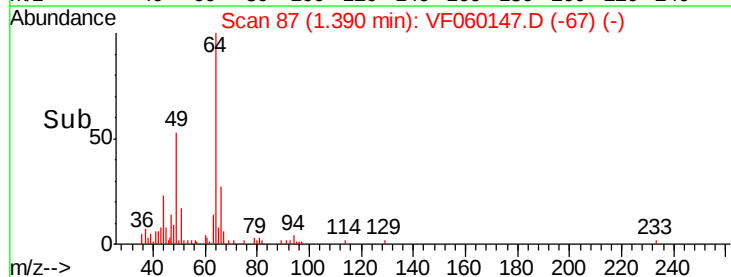
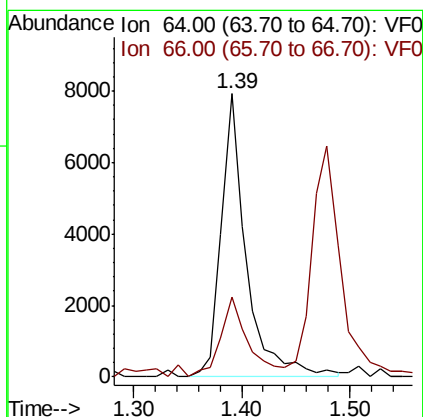
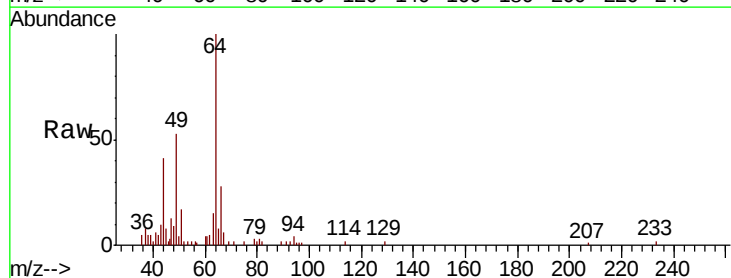
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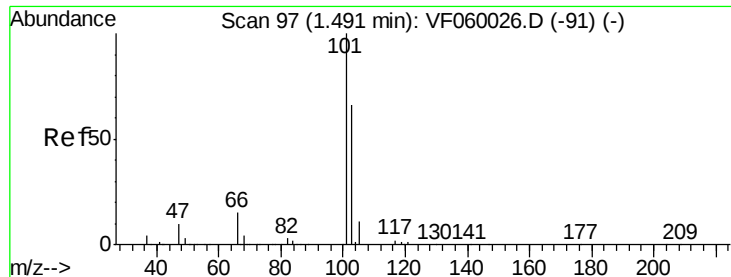
Tgt Ion: 64 Resp: 12748

Ion Ratio Lower Upper

64 100

66 28.0 24.1 36.1





#7

Trichlorofluoromethane

Concen: 29.63 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

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Tot Ion:101 Resp: 74673

Ion Ratio Lower Upper

101 100

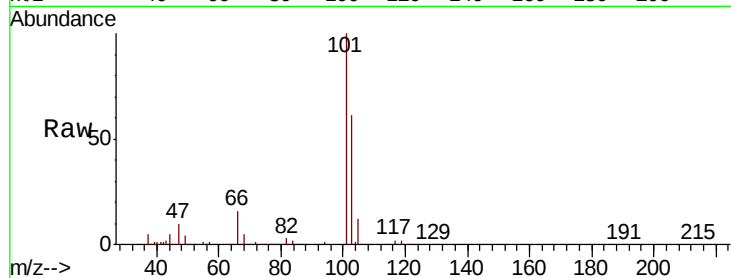
103 61.2 52.5 78.7

Manual Integrations

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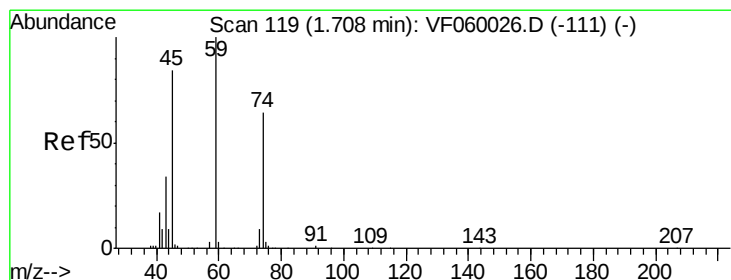
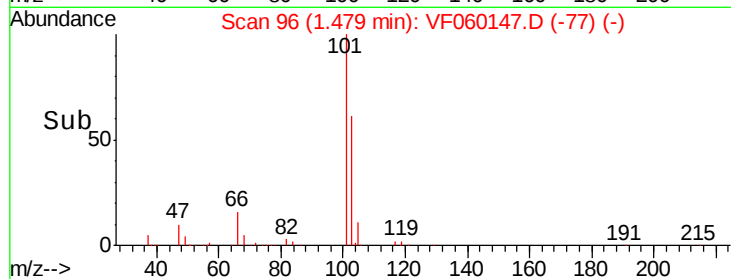
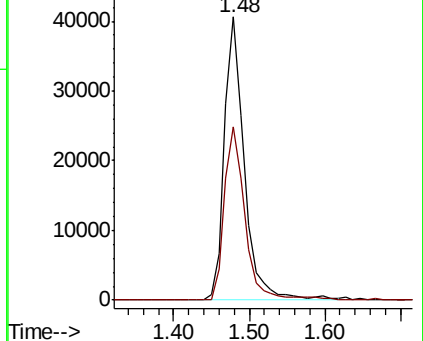
apatel

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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: 13.33 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060147.D

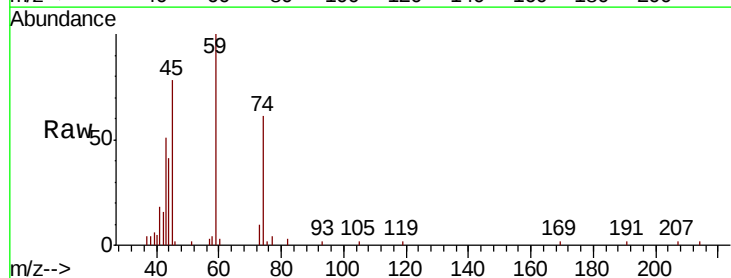
Acq: 28 Aug 2018 14:00

Tgt Ion: 74 Resp: 6006

Ion Ratio Lower Upper

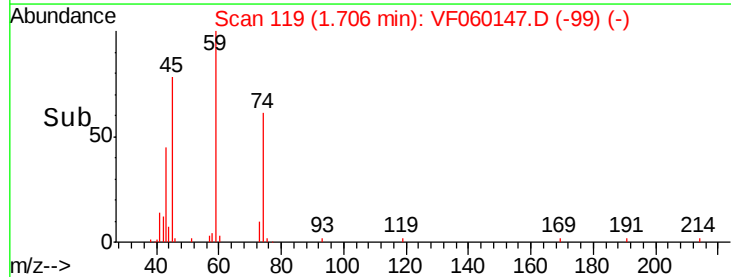
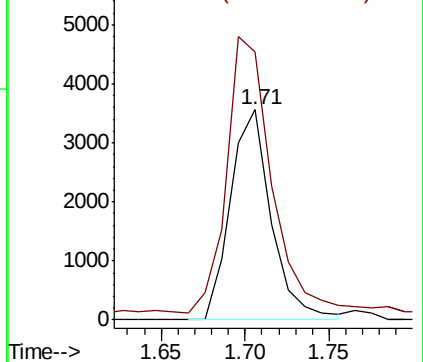
74 100

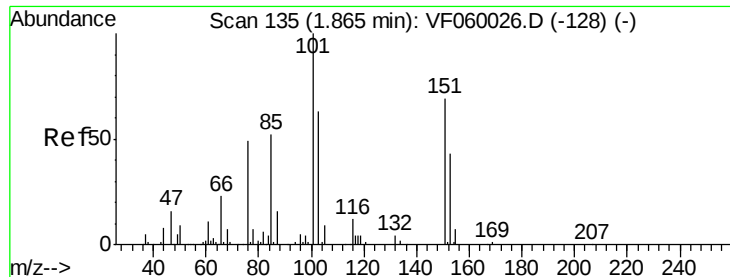
45 127.5 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.67 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

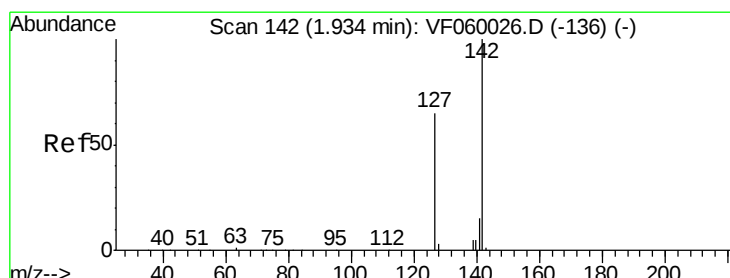
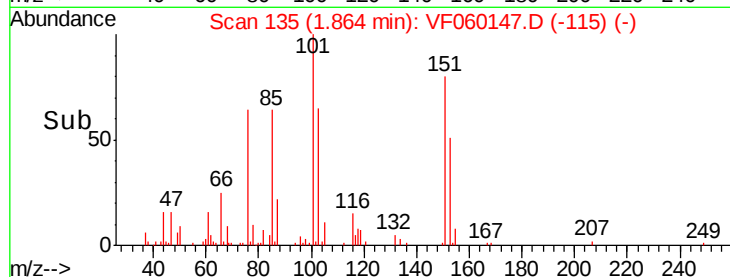
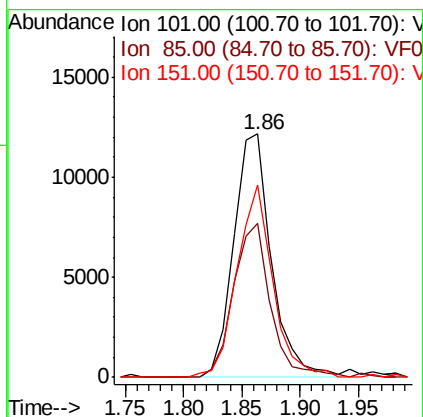
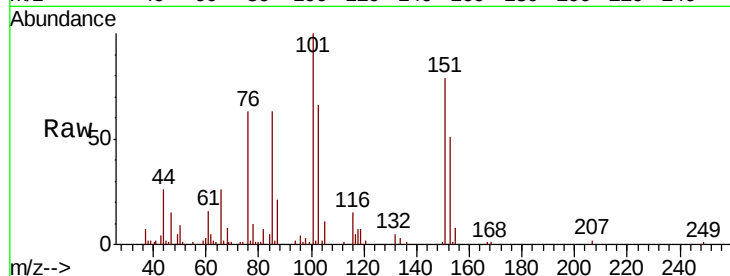
ClientSampleId :

VF0828SBS01

Tot Ion:	101	Resp:	27341
Ion Ratio	Lower	Upper	
101	100		
85	63.0	41.5	62.3#
151	79.3	55.2	82.8

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#10

Methyl Iodide

Concen: 14.47 ug/l

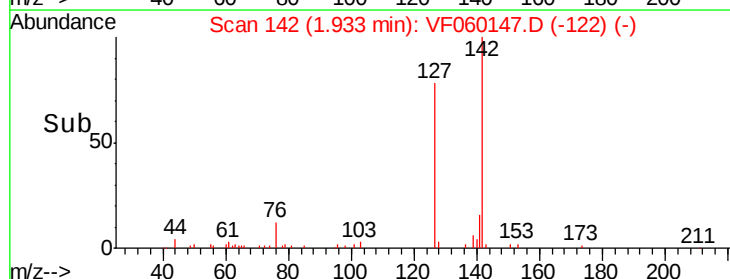
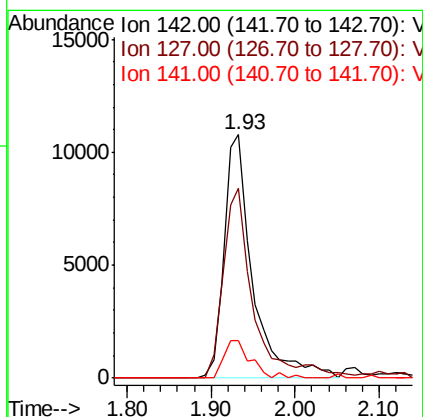
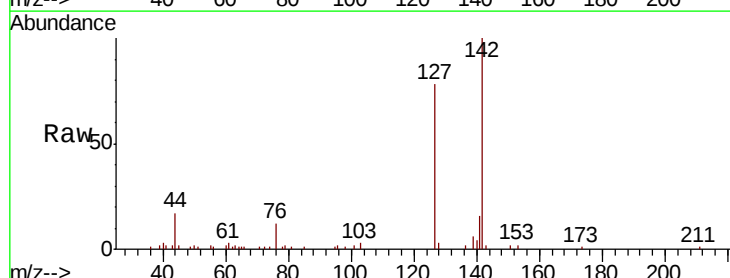
RT: 1.93 min Scan# 142

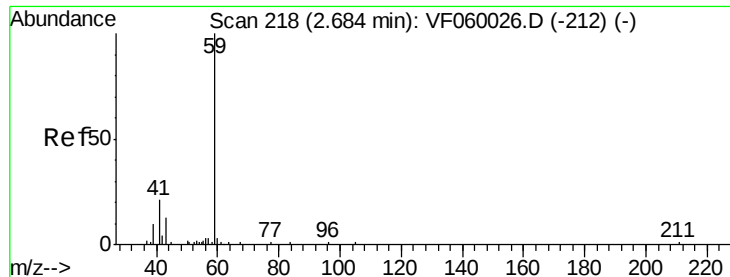
Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	142	Resp:	25300
Ion Ratio	Lower	Upper	
142	100		
127	78.2	51.8	77.6#
141	15.6	11.9	17.9





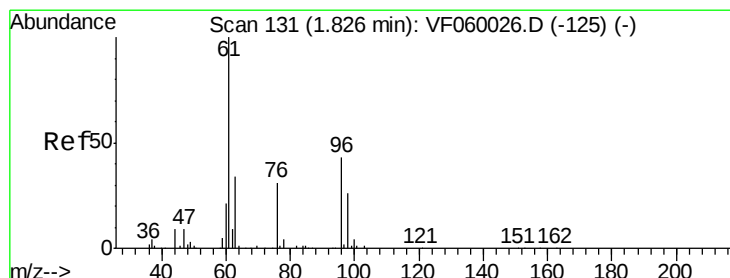
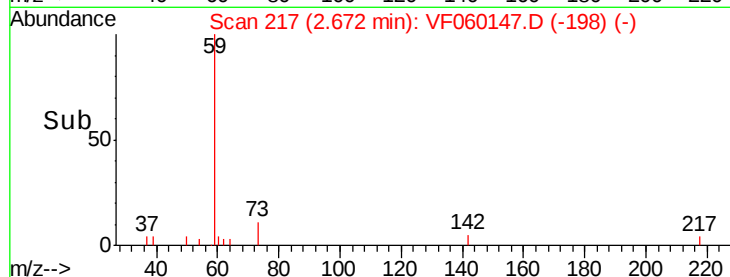
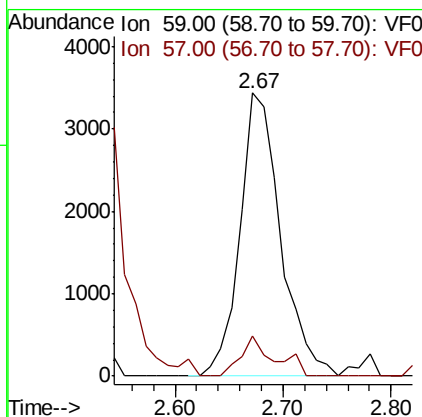
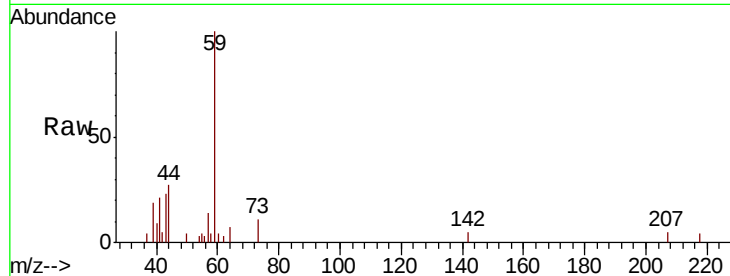
#11
Tert butyl alcohol
Concen: 80.42 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.1	5.4	8.2#

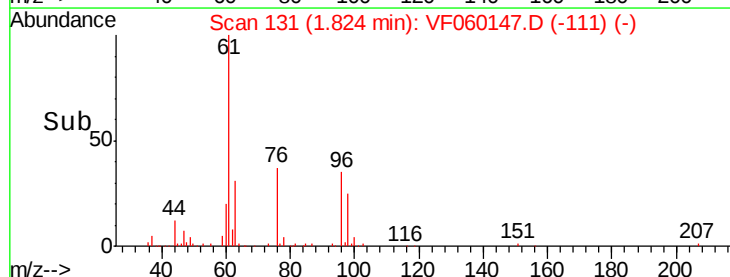
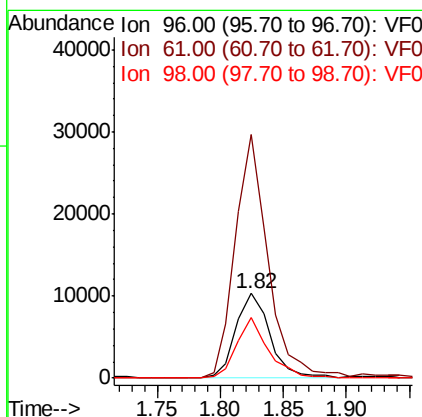
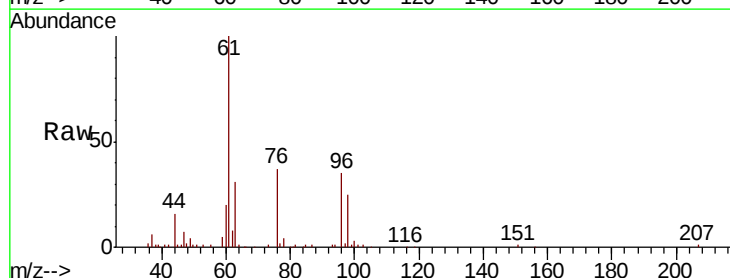
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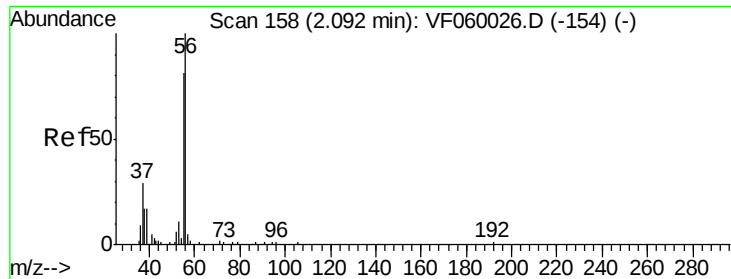
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#12
1,1-Dichloroethene
Concen: 19.98 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	287.8	185.0	277.6#
98	71.1	47.8	71.8





#13

Acrolein

Concen: 32.32 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.09 min

Lab File: VF060147.D

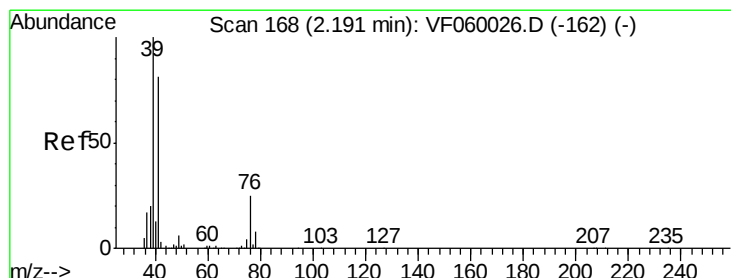
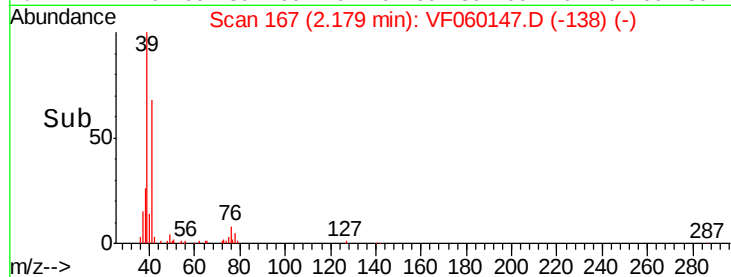
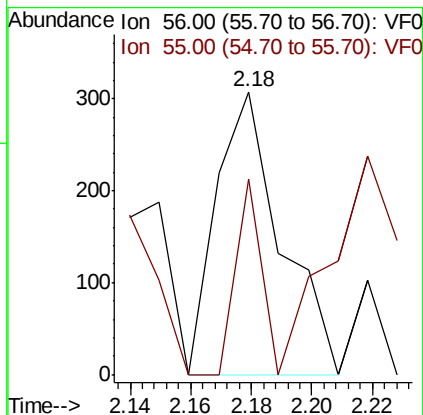
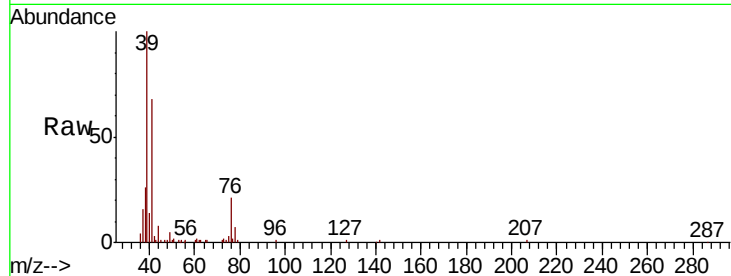
Acq: 28 Aug 2018 14:00

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	65.6	98.4

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

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#14

Allyl chloride

Concen: 19.94 ug/l

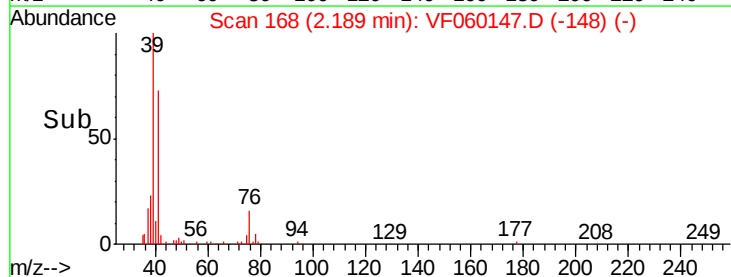
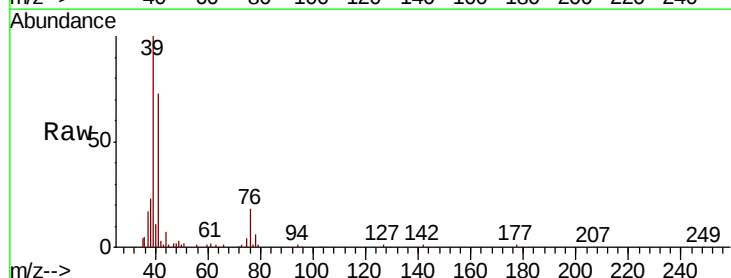
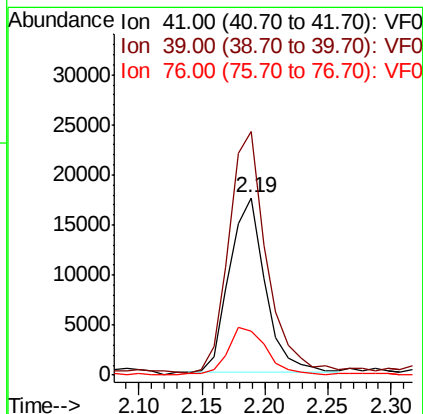
RT: 2.19 min Scan# 168

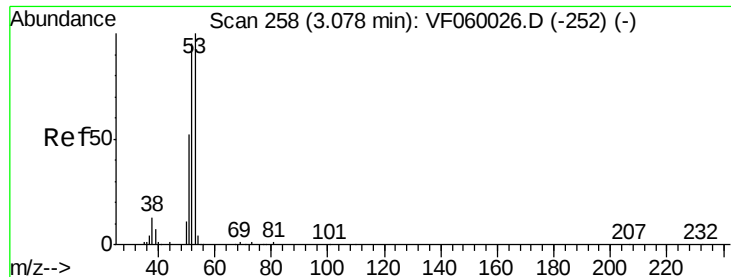
Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	137.5	99.3	148.9
76	24.9	24.3	36.5





#15

Acrylonitrile

Concen: 79.05 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

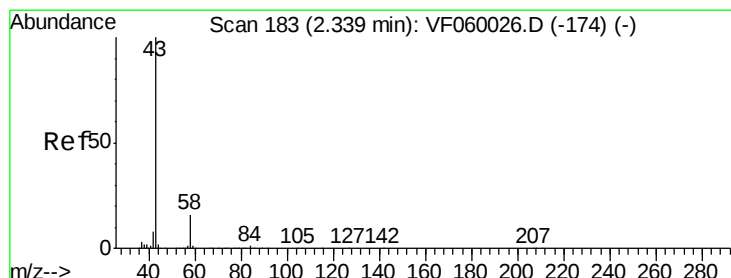
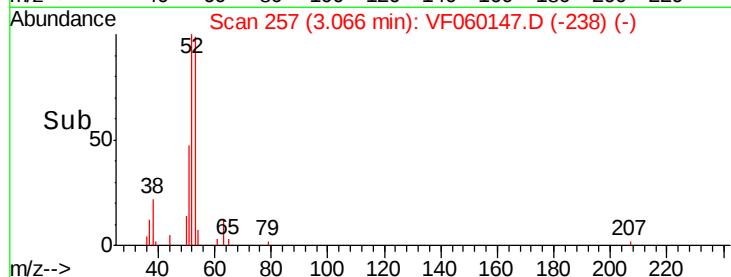
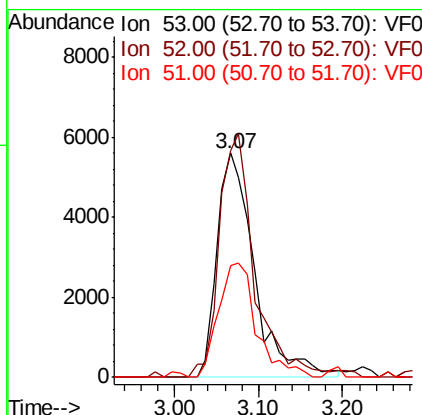
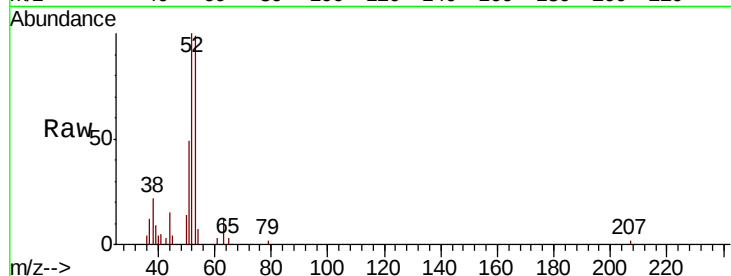
ClientSampleId :

VF0828SBS01

Tot Ion:	53	Resp:	17413
Ion	Ratio	Lower	Upper
53	100		
52	101.3	75.8	113.8
51	49.9	42.1	63.1

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#16

Acetone

Concen: 84.82 ug/l

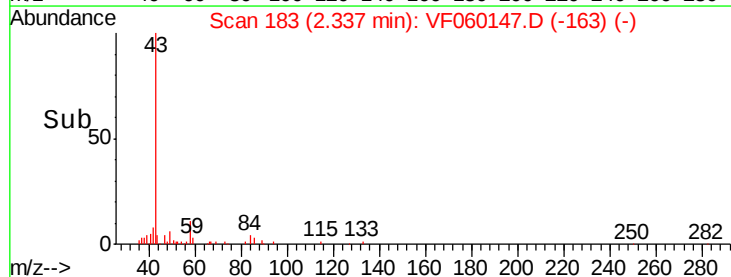
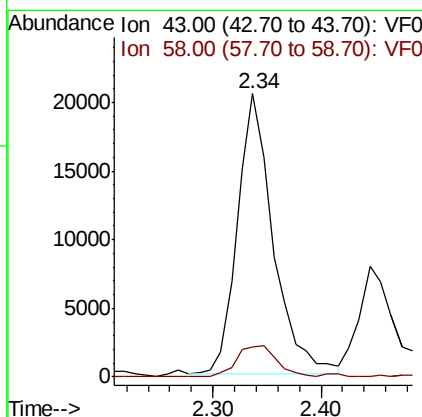
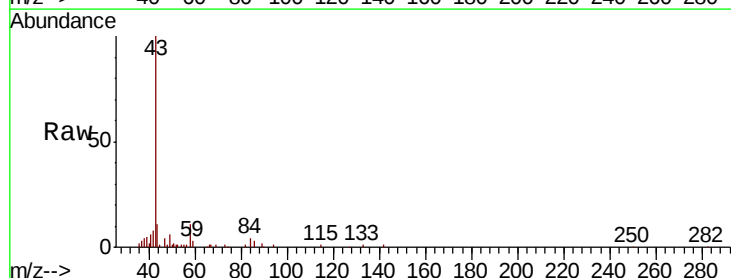
RT: 2.34 min Scan# 183

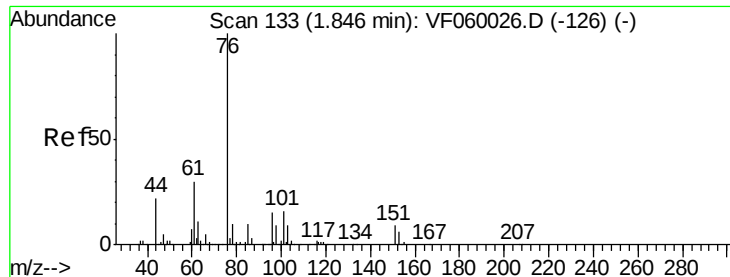
Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	43	Resp:	46772
Ion	Ratio	Lower	Upper
43	100		
58	10.6	12.6	19.0#





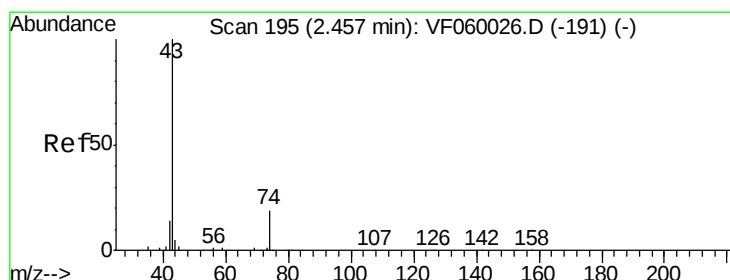
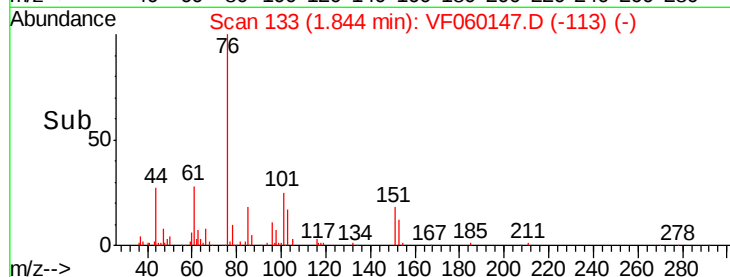
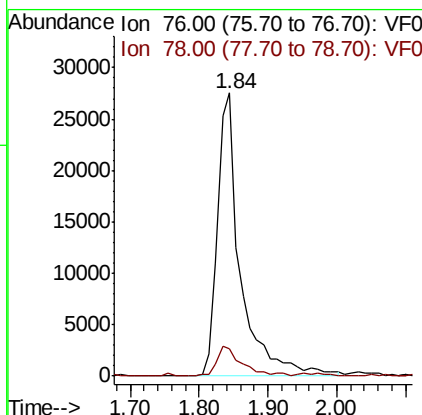
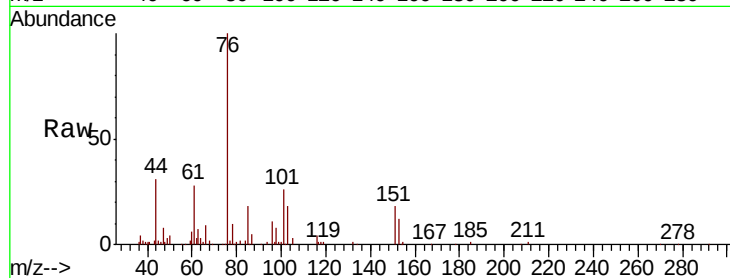
#17
Carbon Disulfide
Concen: 20.87 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	8.4	12.6

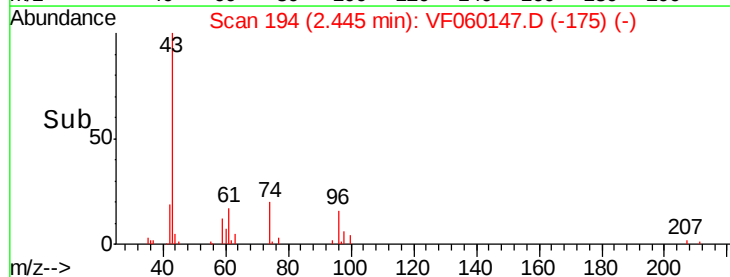
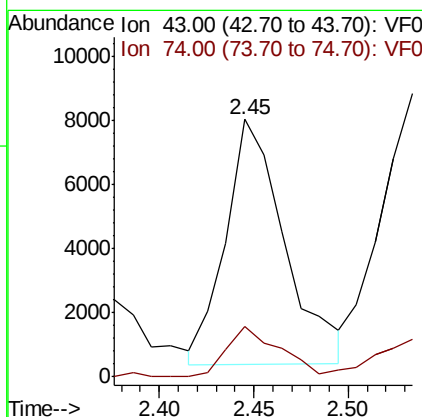
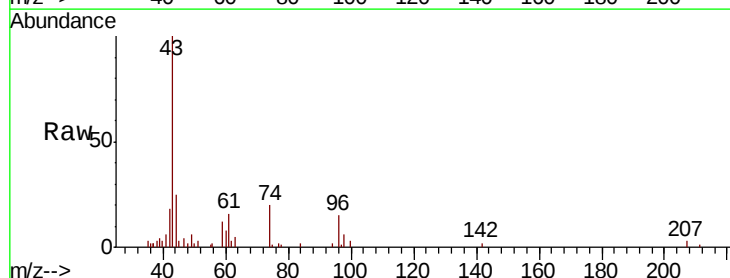
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#18
Methyl Acetate
Concen: 14.76 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	13.8	20.6





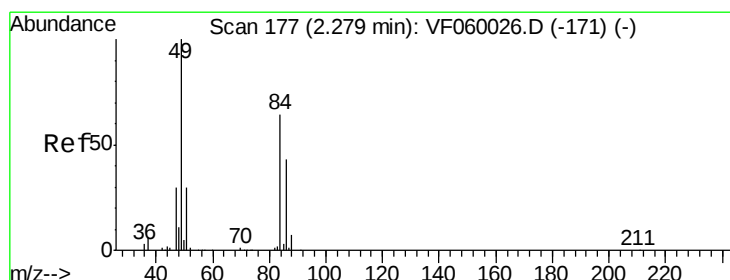
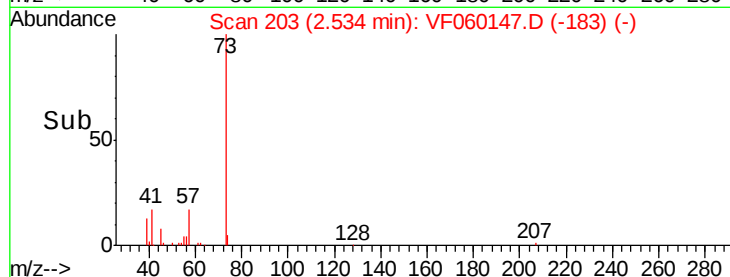
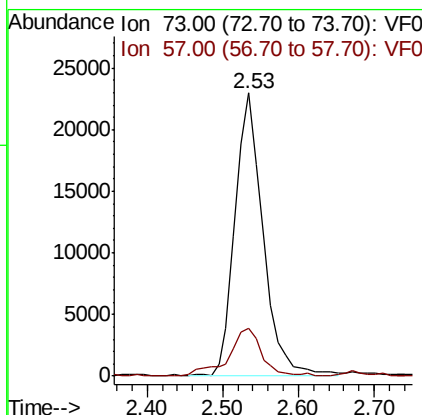
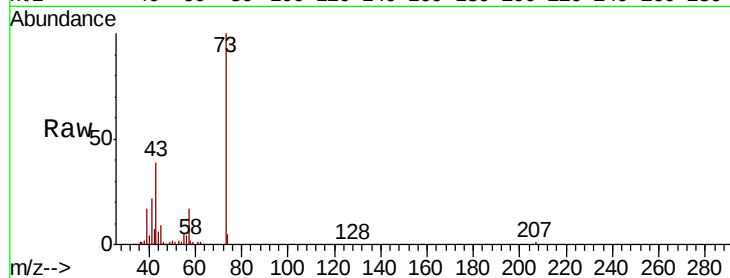
#19
Methvl tert-butvl Ether
Concen: 18.92 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.8	13.7	20.5

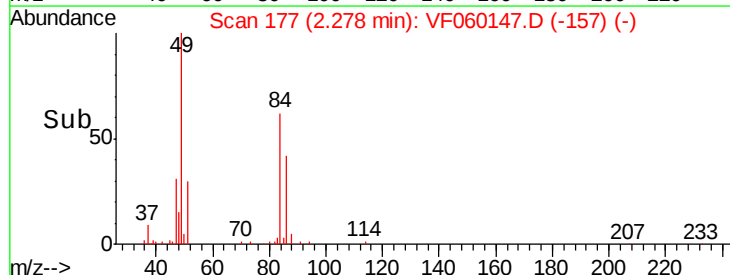
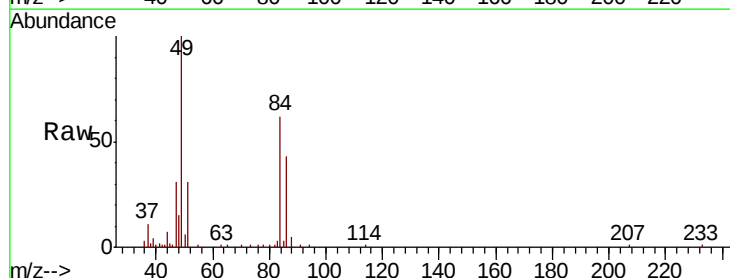
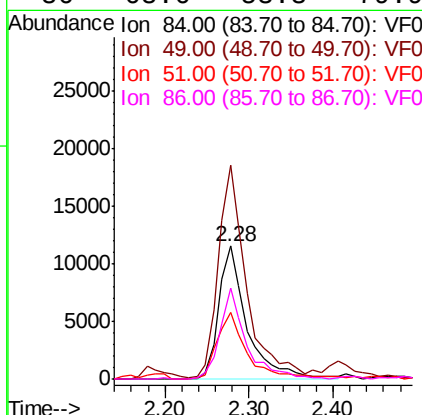
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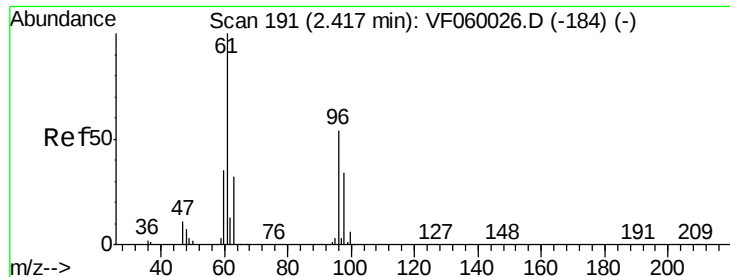
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#20
Methylene Chloride
Concen: 21.94 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	160.6	125.4	188.0
51	49.8	38.3	57.5
86	68.6	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 21.90 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

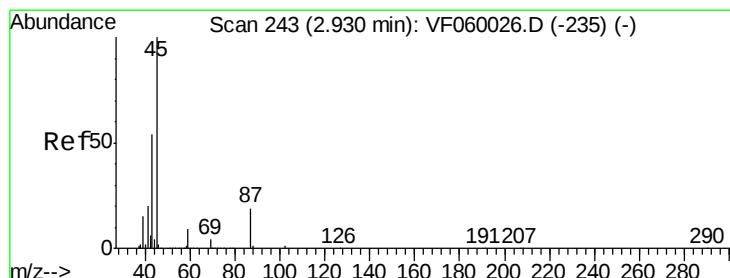
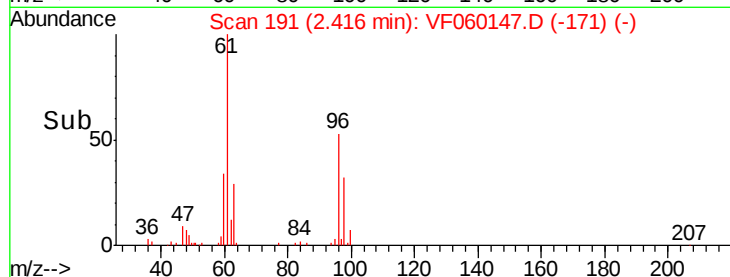
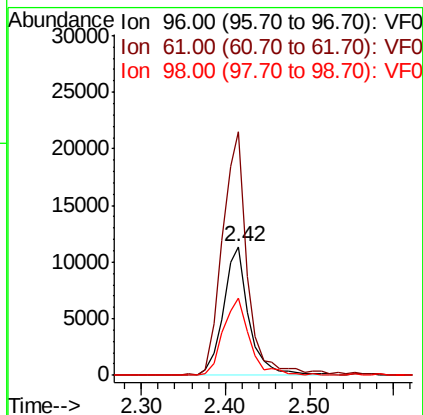
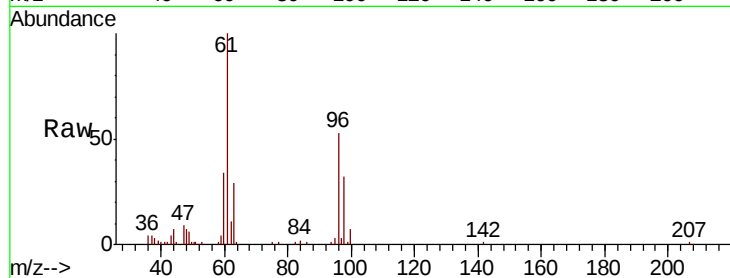
ClientSampleId :

VF0828SBS01

Tot Ion:	96	Resp:	23883
Ion	Ratio	Lower	Upper
96	100		
61	188.8	147.4	221.0
98	59.7	49.8	74.6

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#22

Diisopropyl ether

Concen: 19.20 ug/l

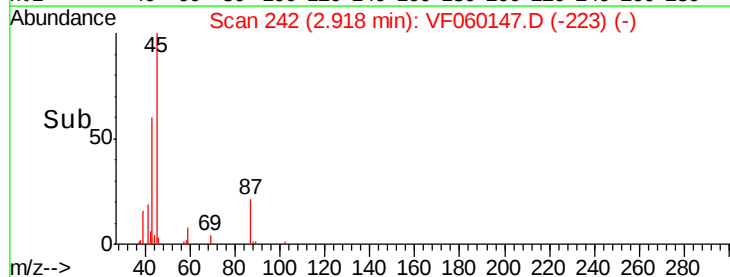
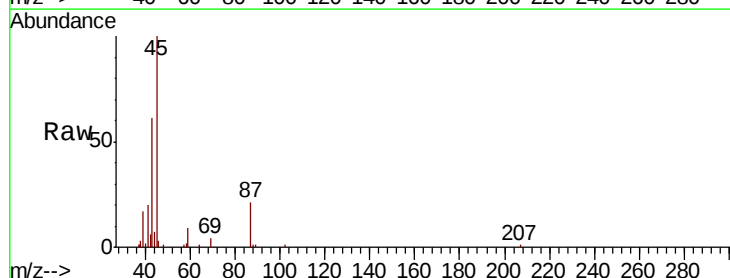
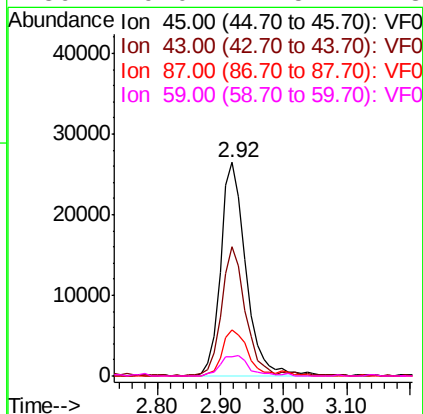
RT: 2.92 min Scan# 242

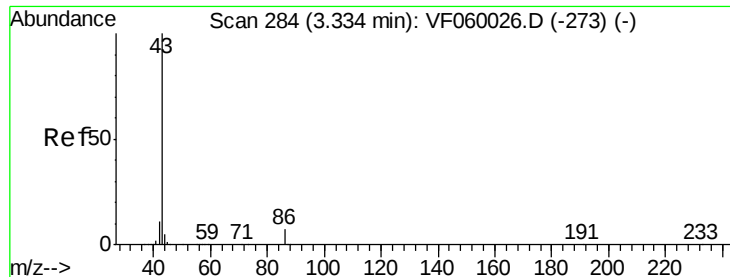
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	45	Resp:	74398
Ion	Ratio	Lower	Upper
45	100		
43	60.6	43.4	65.2
87	21.4	15.4	23.2
59	9.0	7.5	11.3





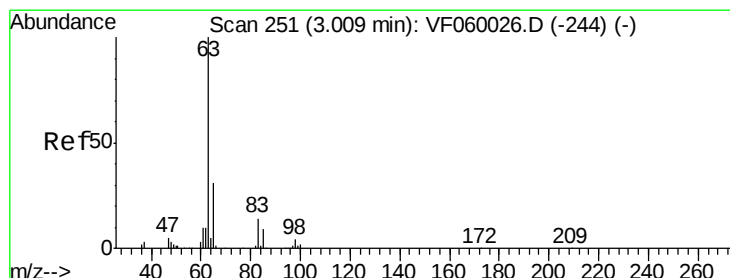
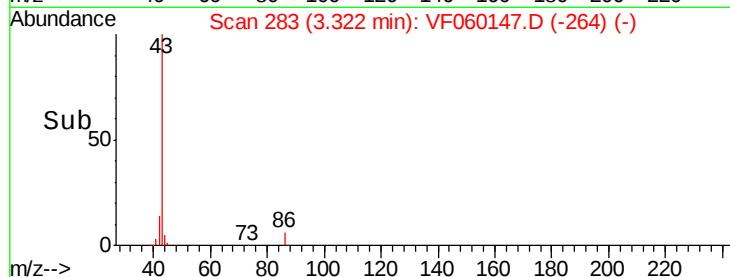
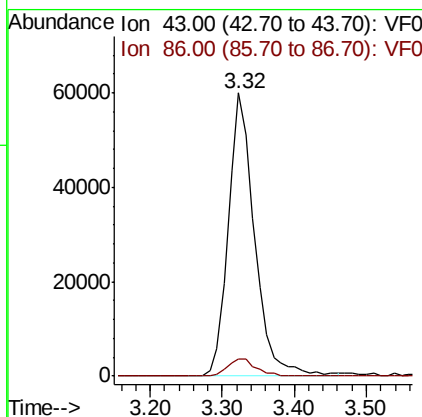
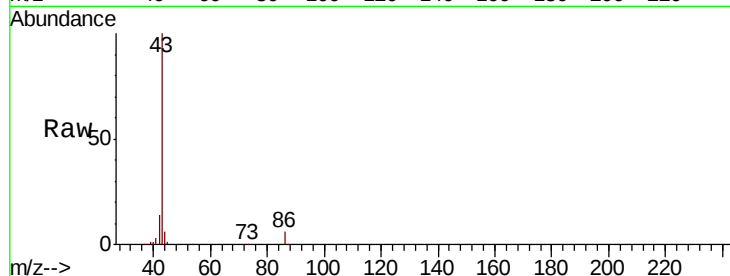
#23
 Vinyl Acetate
 Concen: 74.35 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.6	8.4

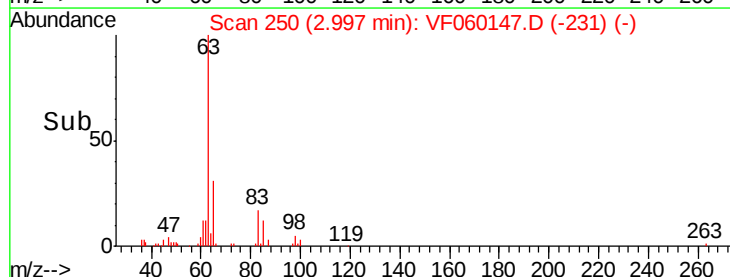
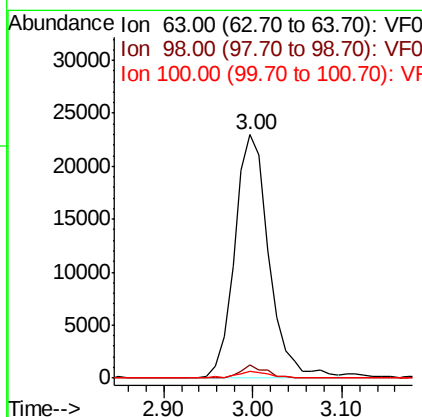
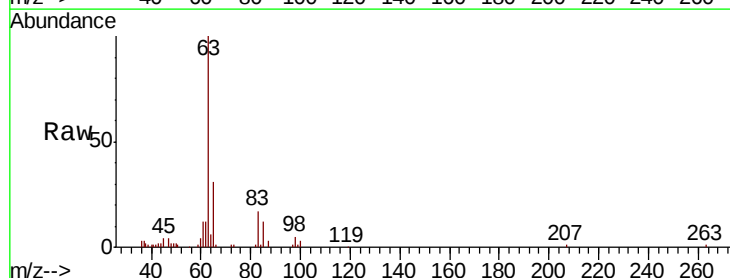
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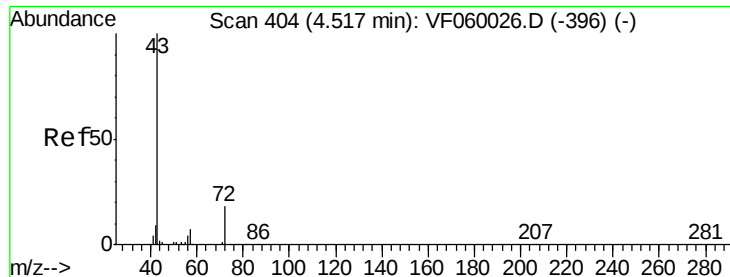
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#24
 1,1-Dichloroethane
 Concen: 25.70 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.1	6.5
100	3.0	1.1	3.3





#25

2-Butanone

Concen: 74.11 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.03 min

Lab File: VF060147.D

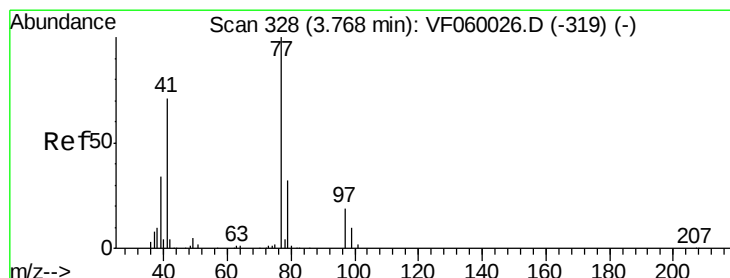
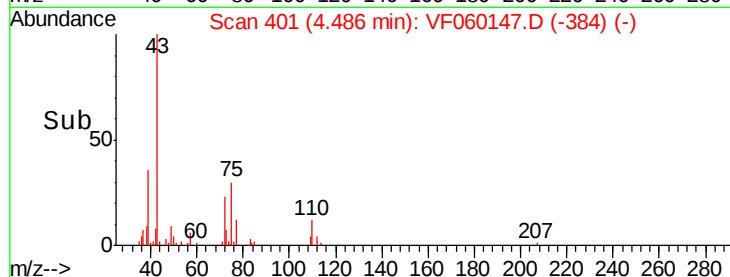
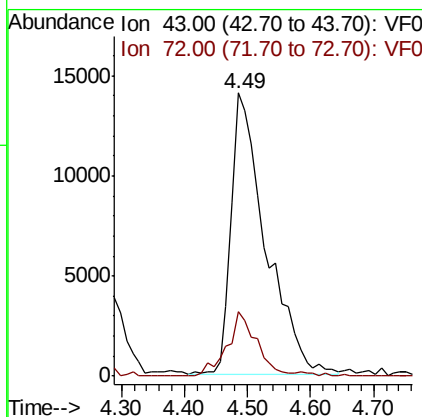
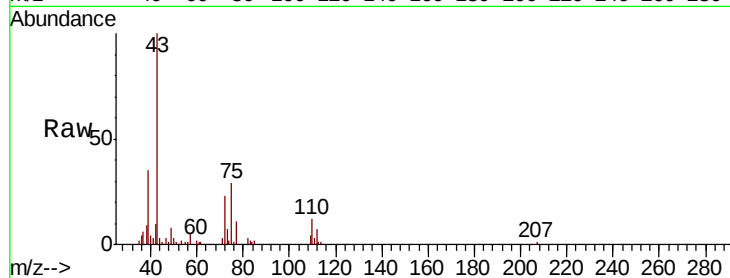
Acq: 28 Aug 2018 14:00

Tot Ion	43	Ratio	Lower	Upper
43	100			
72	22.6	15.0	22.6#	

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

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#26

2,2-Dichloropropane

Concen: 24.45 ug/l

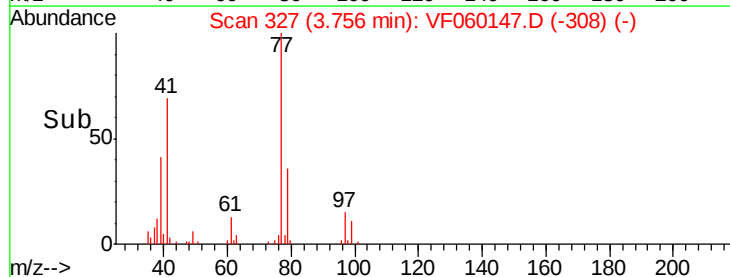
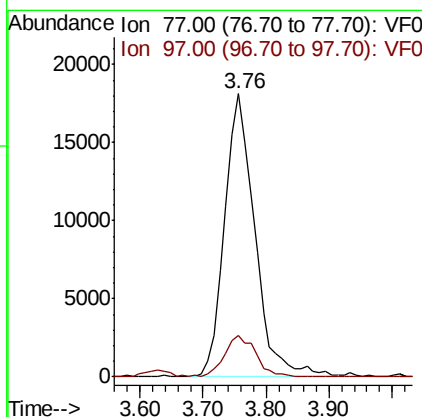
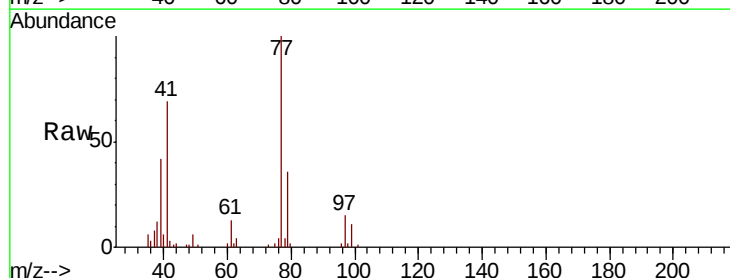
RT: 3.76 min Scan# 327

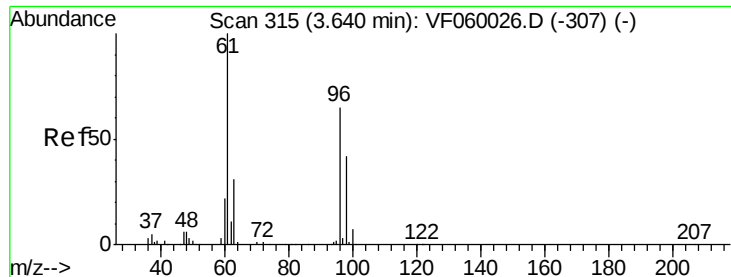
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion	77	Ratio	Lower	Upper
77	100			
97	16.3	9.7	29.1	





#27

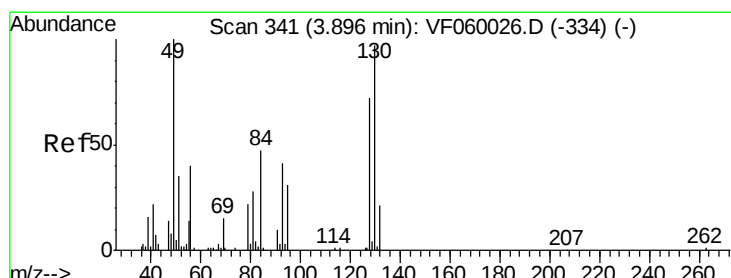
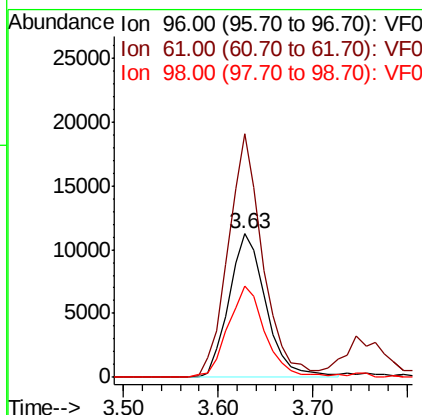
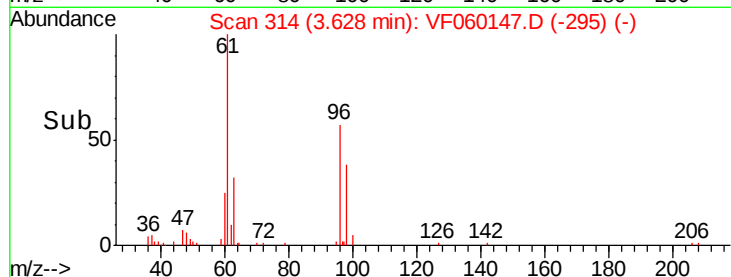
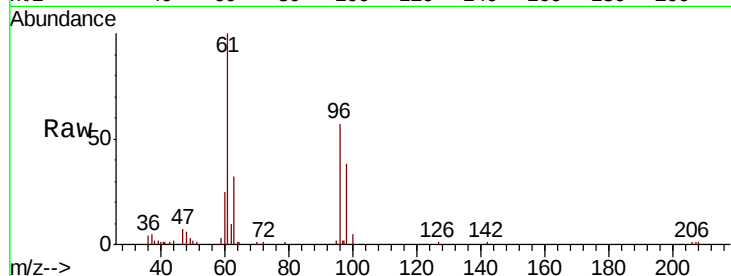
cis-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	169.4	0.0	307.6		
98	63.6	0.0	128.4		

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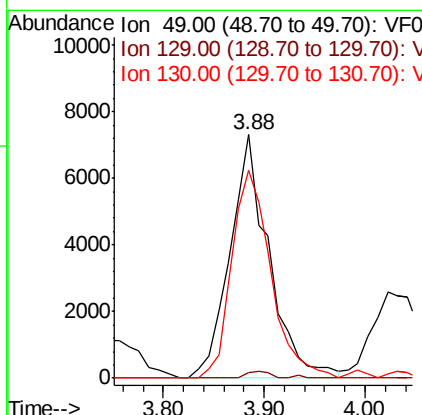
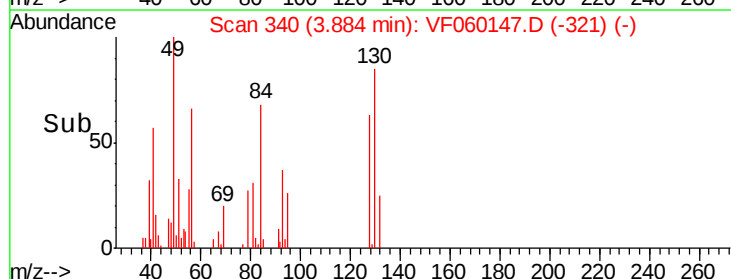
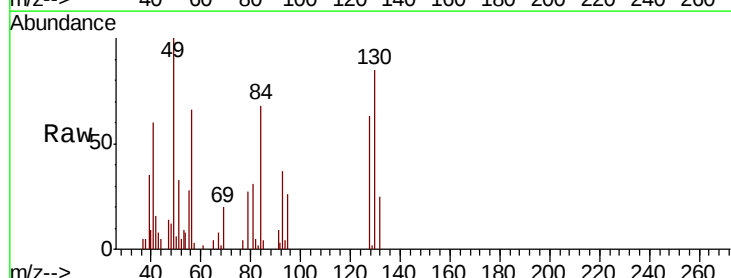
apatel
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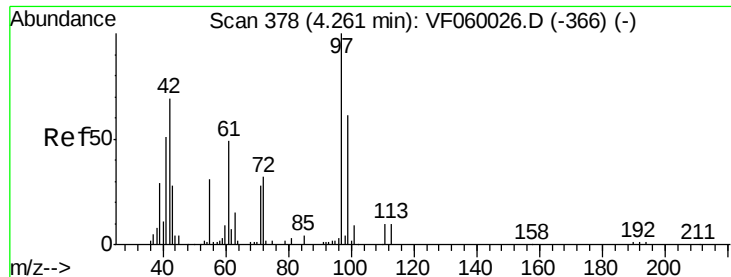


#28

Bromochloromethane
Concen: 19.42 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.1	0.0	7.4		
130	85.2	78.0	117.0		





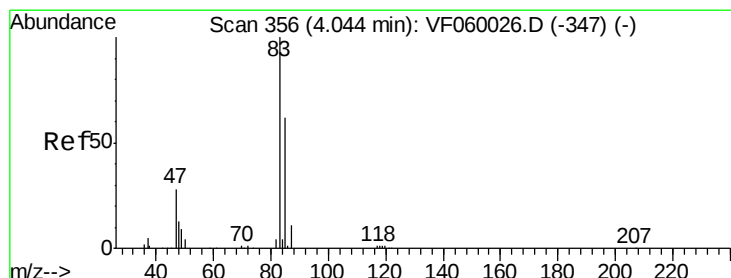
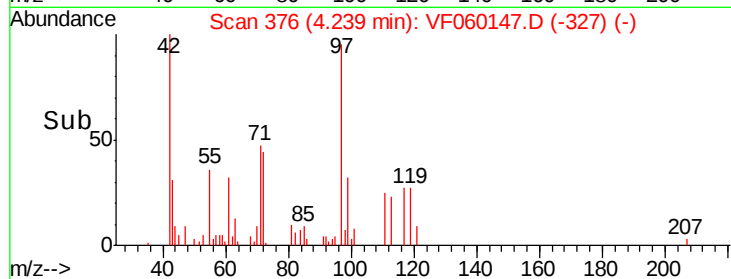
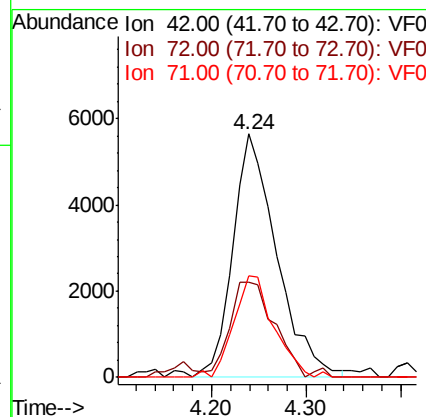
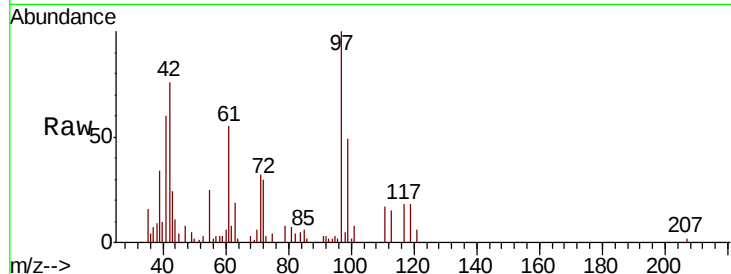
#29
Tetrahydrofuran
Concen: 67.15 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:	42	Resp:	18160
Ion Ratio	Lower	Upper	
42	100		
72	36.8	31.4	47.2
71	37.8	29.7	44.5

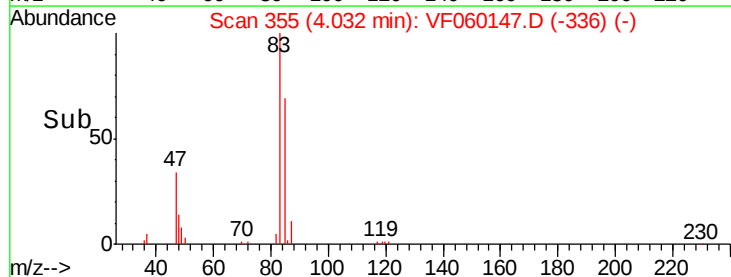
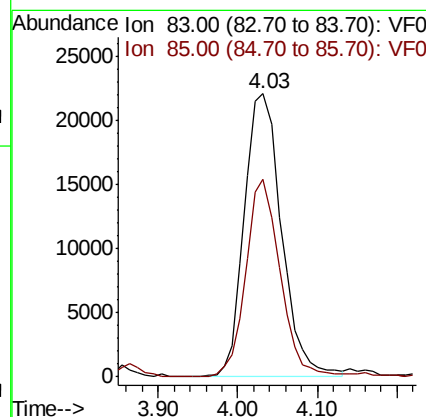
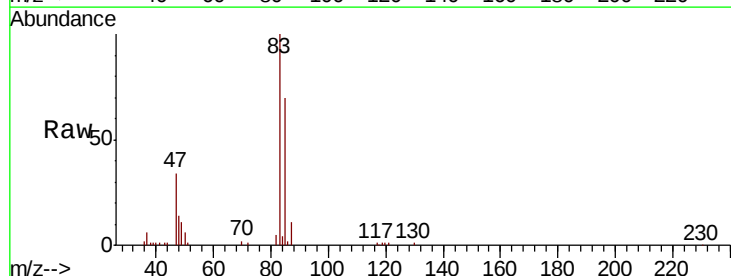
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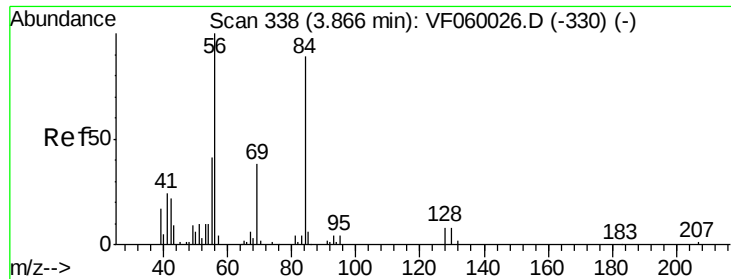
apatel
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#30
Chloroform
Concen: 21.35 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion:	83	Resp:	71765
Ion Ratio	Lower	Upper	
83	100		
85	69.8	49.5	74.3





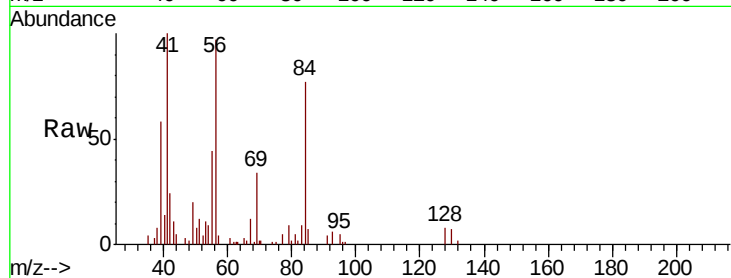
#31
Cyclohexane
Concen: 19.57 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

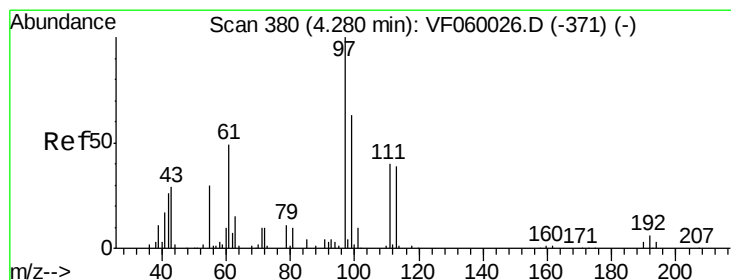
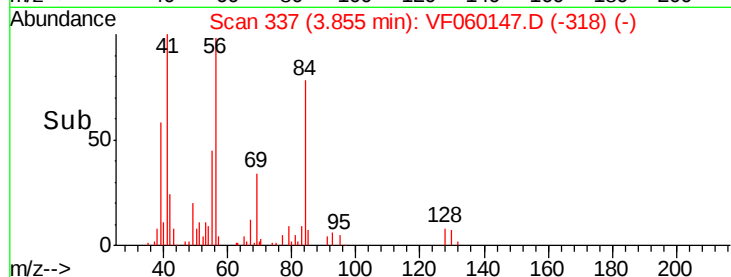
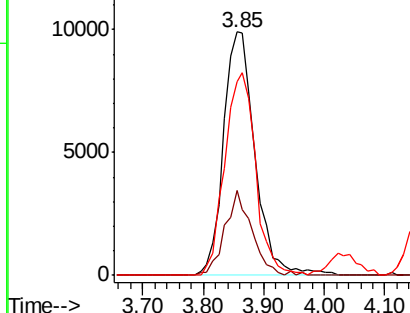
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	30.4	45.6
84	79.6	71.4	107.2

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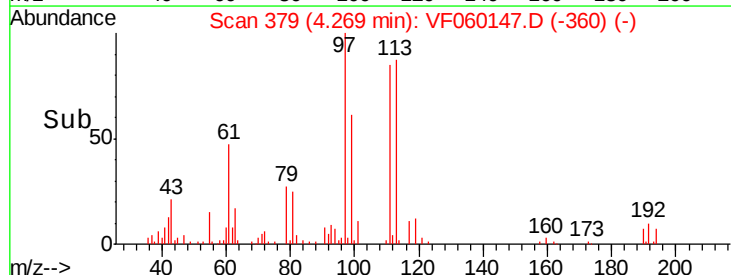
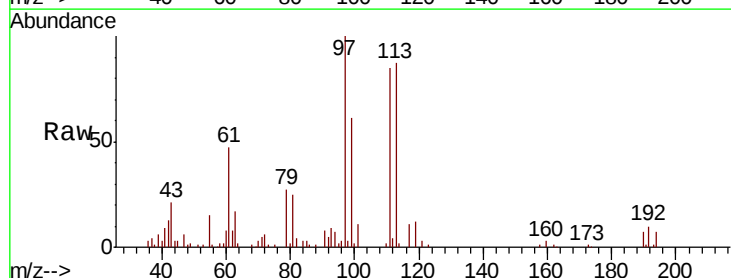
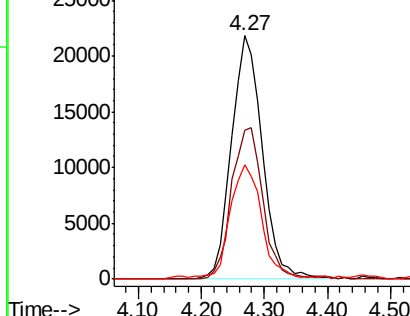
Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

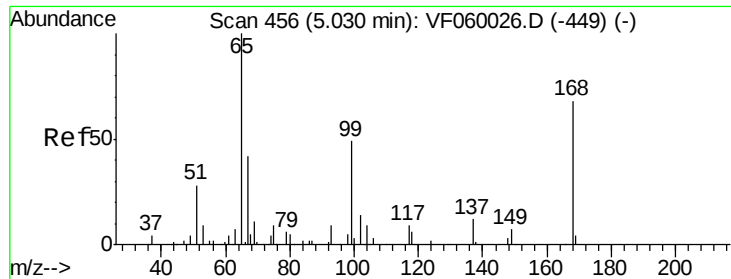


#32
1,1,1-Trichloroethane
Concen: 25.68 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	50.3	75.5
61	47.1	40.3	60.5

Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 44.35 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tot Ion: 65 Resp: 93055

Ion Ratio Lower Upper

65 100

67 47.5 0.0 92.0

Instrument :

MSVOA_F

ClientSampleId :

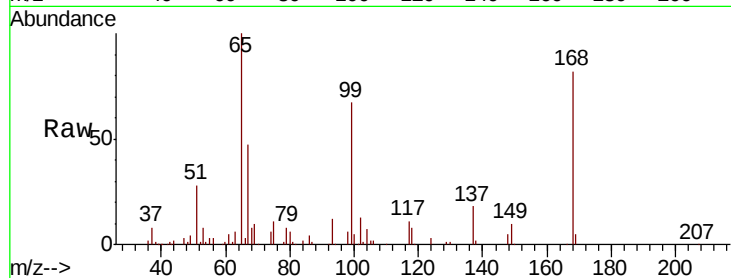
VF0828SBS01

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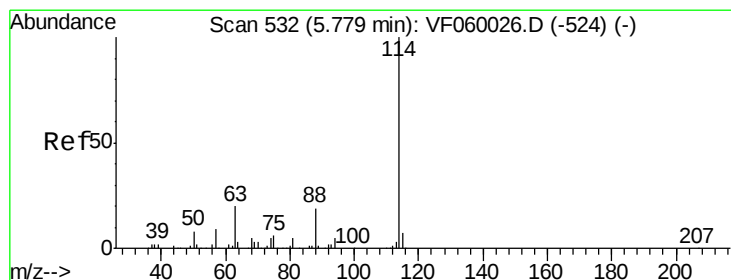
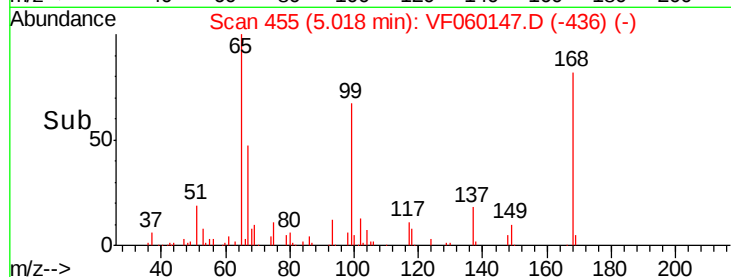
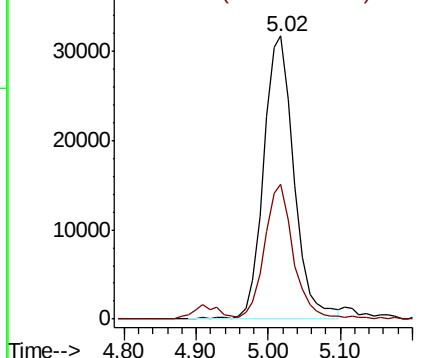
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

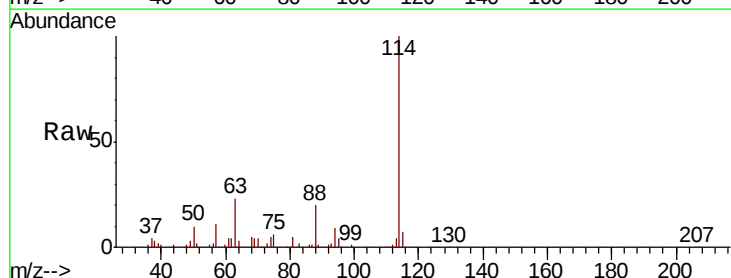
Tgt Ion: 114 Resp: 206773

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.4

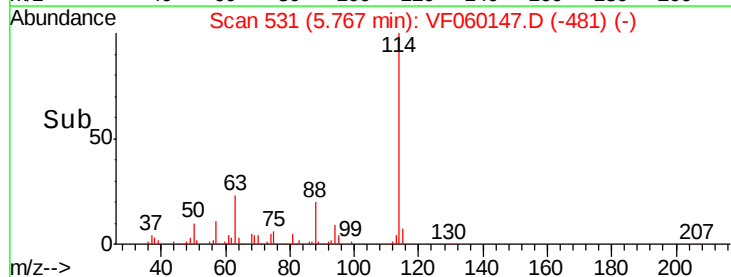
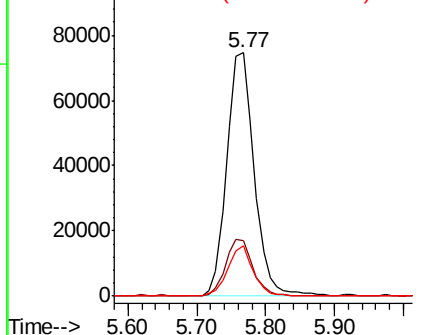
88 20.5 0.0 38.6

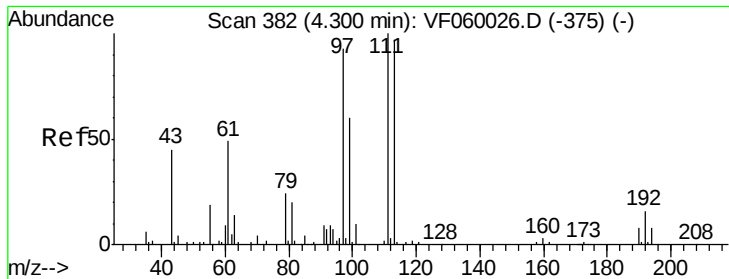


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 56.03 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

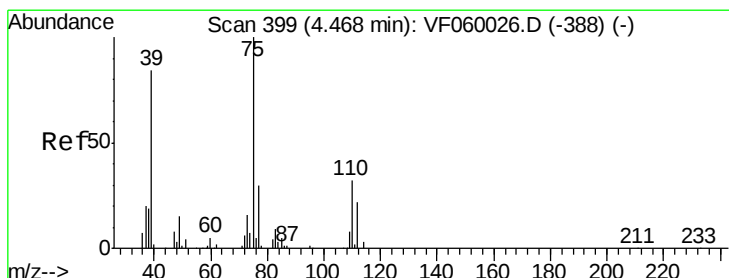
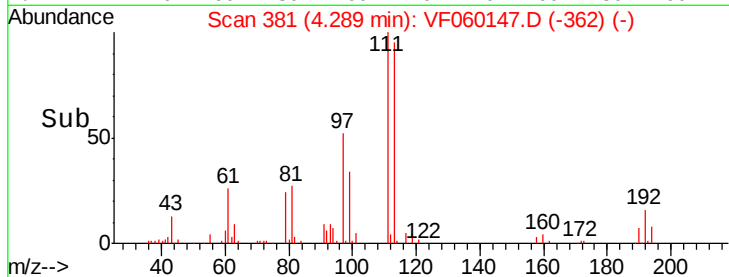
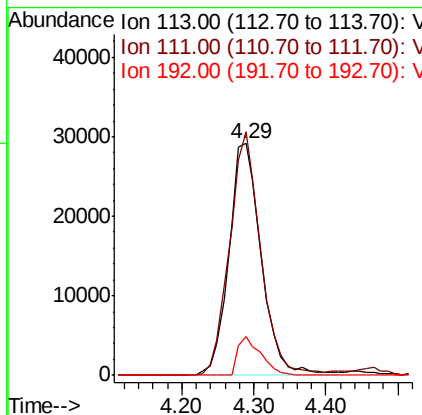
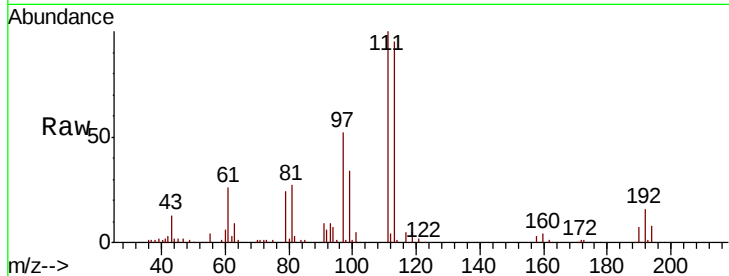
ClientSampleId :

VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90978		
111	105.0	82.7	124.1	
192	16.7	13.0	19.4	

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#36

1,1-Dichloropropene

Concen: 23.06 ug/l

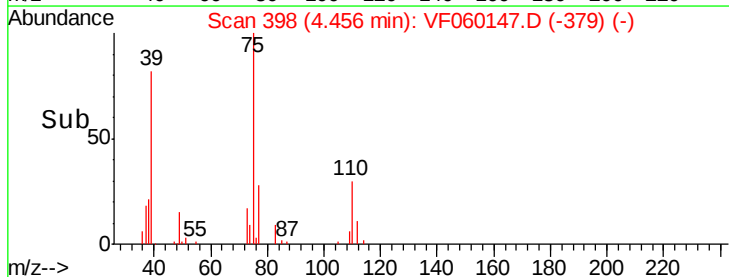
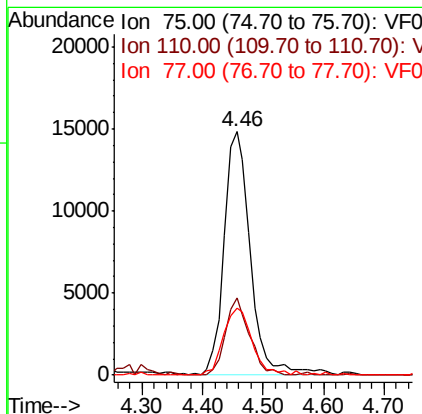
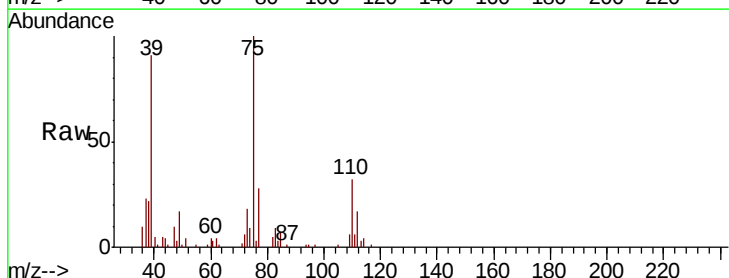
RT: 4.46 min Scan# 398

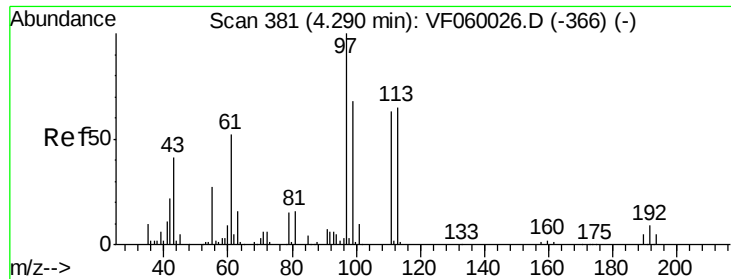
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44800		
110	31.9	16.0	47.9	
77	27.7	24.1	36.1	





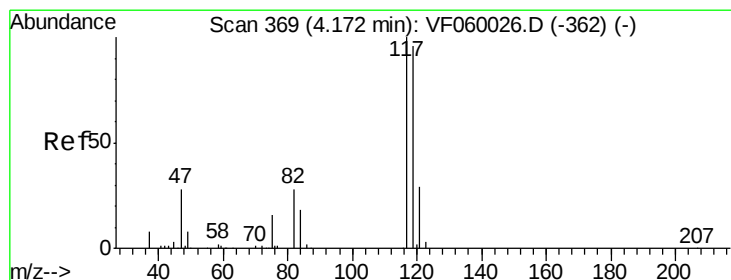
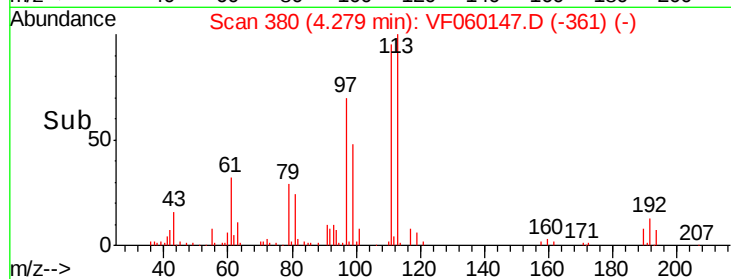
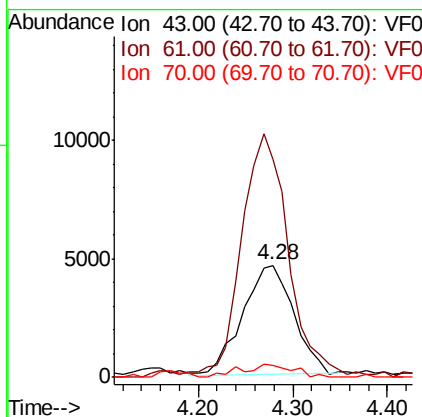
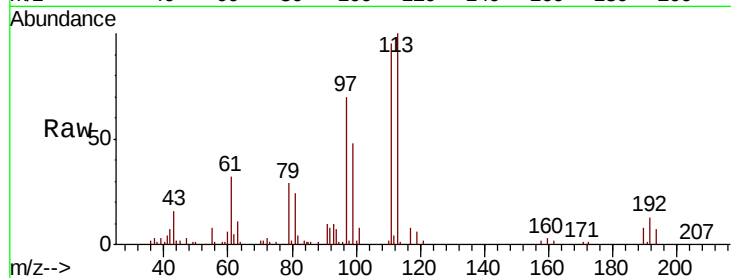
#37
Ethyl Acetate
Concen: 14.89 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	194.6	101.5	152.3#
70	10.2	6.4	9.6#

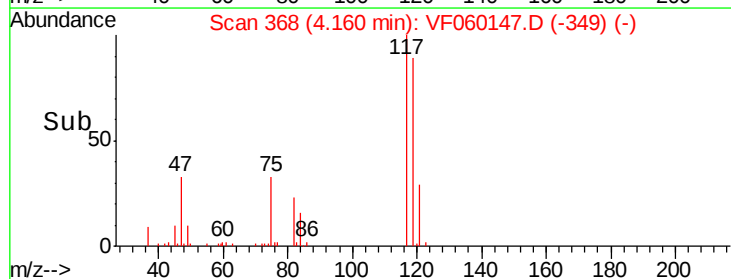
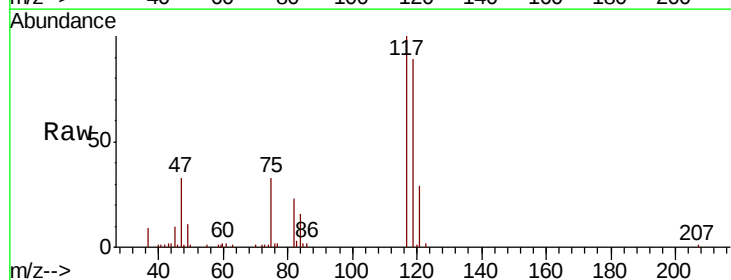
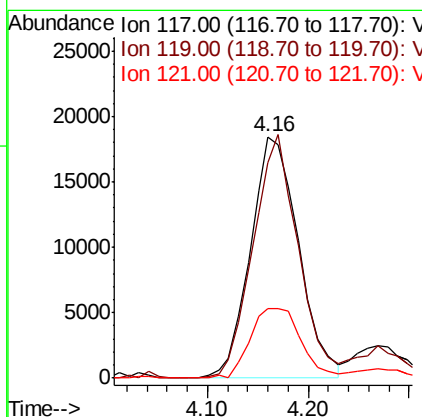
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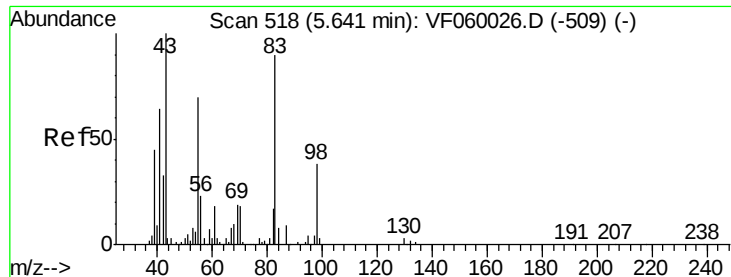
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#38
Carbon Tetrachloride
Concen: 27.19 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.5	114.7
121	28.7	23.0	34.6





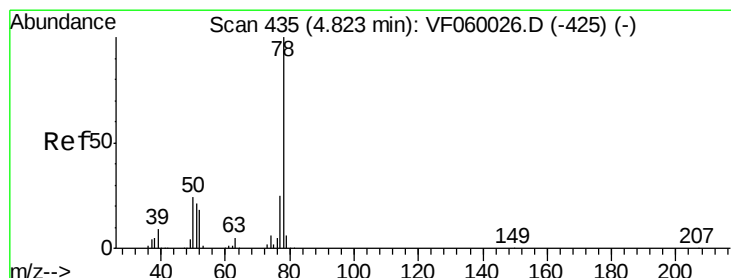
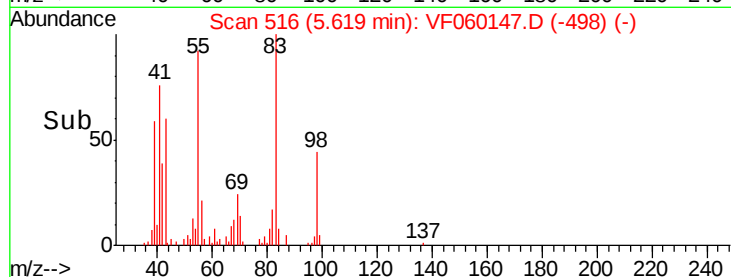
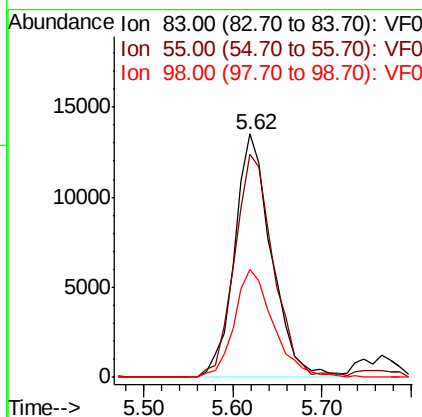
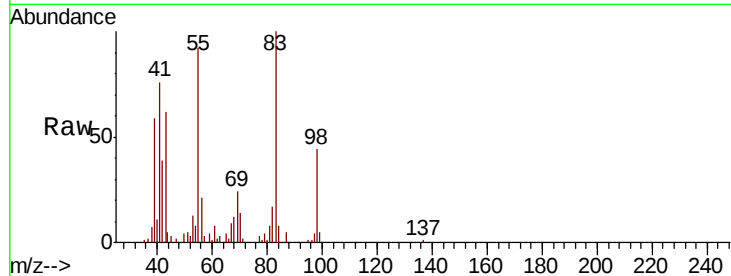
#39
Methvlcvclohexane
Concen: 21.35 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	62.7	94.1
98	44.2	33.8	50.8

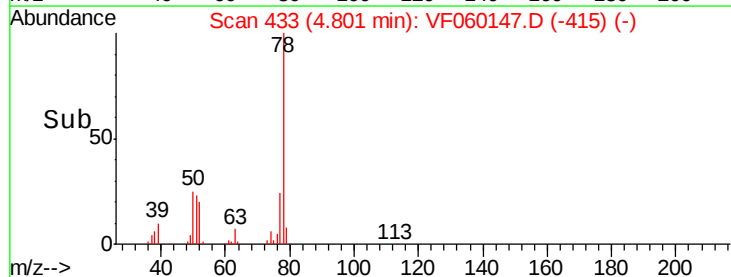
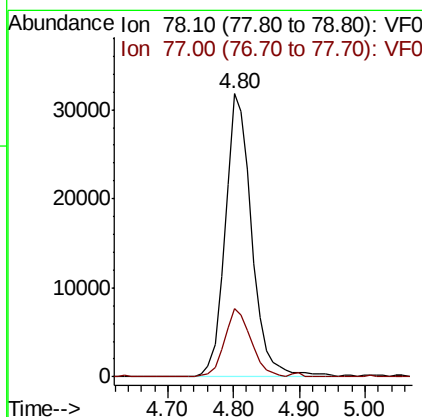
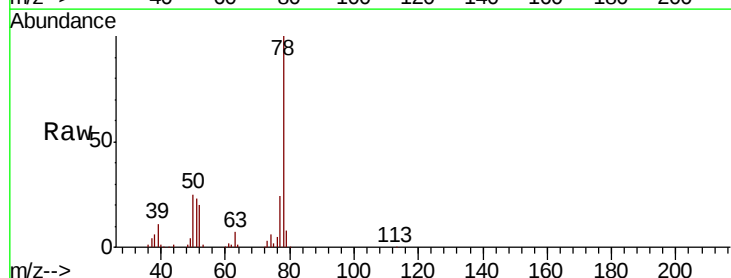
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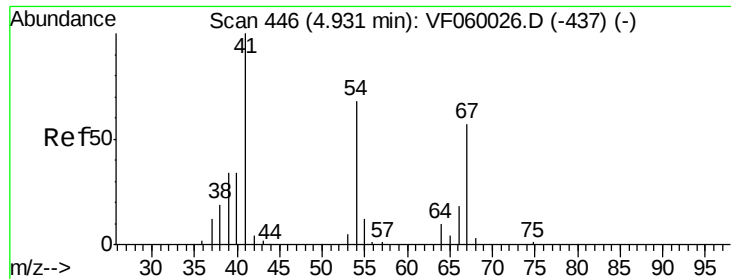
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#40
Benzene
Concen: 21.13 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





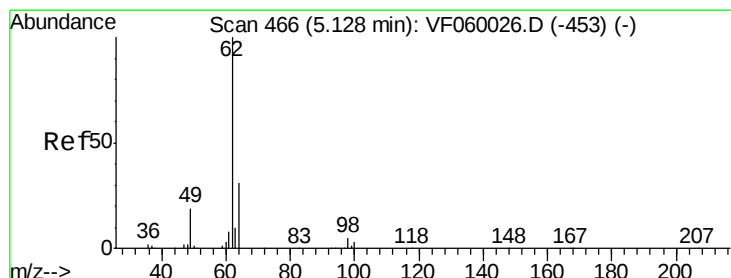
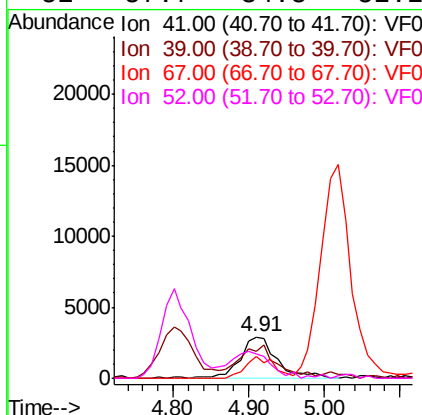
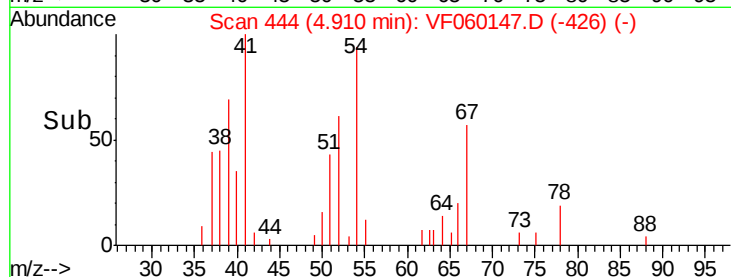
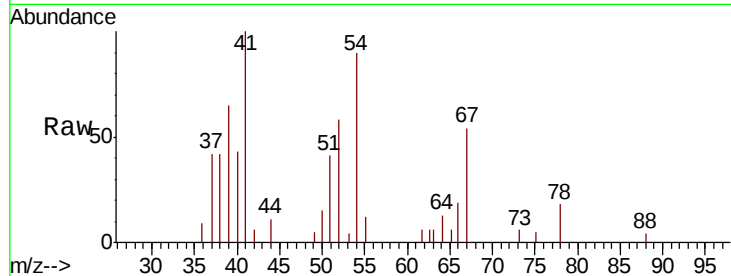
#41
Methacrylonitrile
Concen: 16.67 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion:	41	Resp:	9799
Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.9	79.3
67	53.7	45.3	67.9
52	57.7	34.8	52.2#

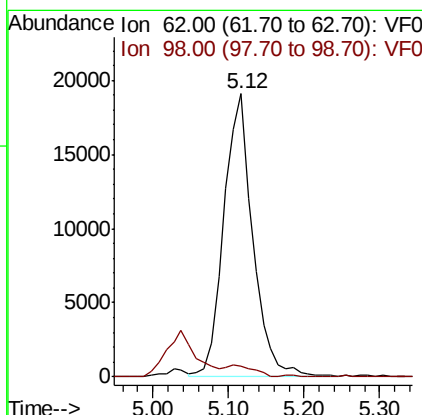
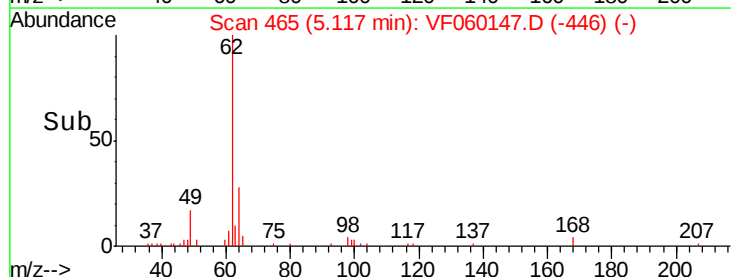
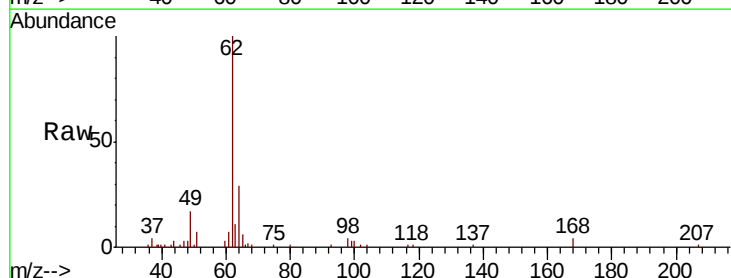
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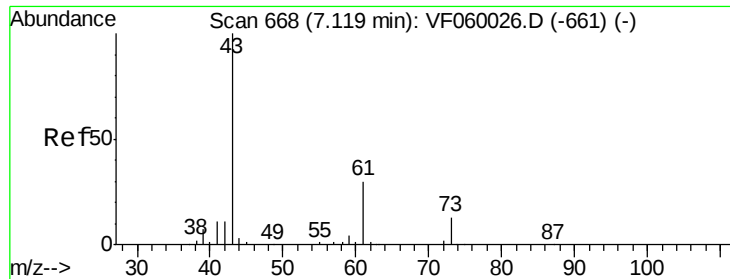
apatel
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#42
1,2-Dichloroethane
Concen: 22.30 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion:	62	Resp:	50764
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	11.2





#43

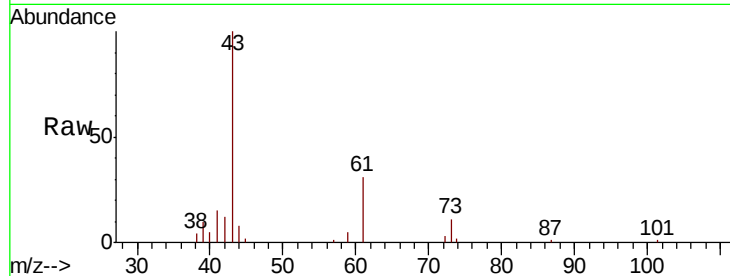
Isopropyl Acetate
 Concen: 15.10 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

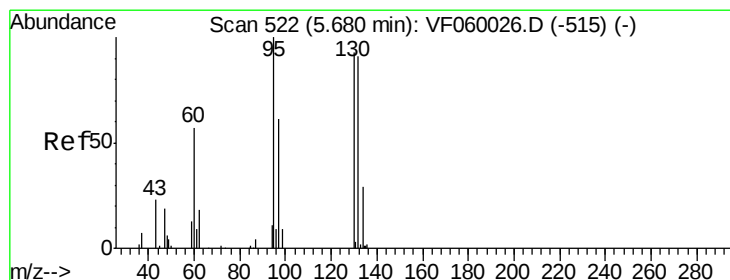
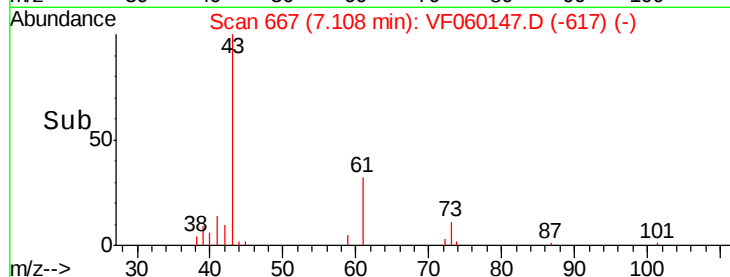
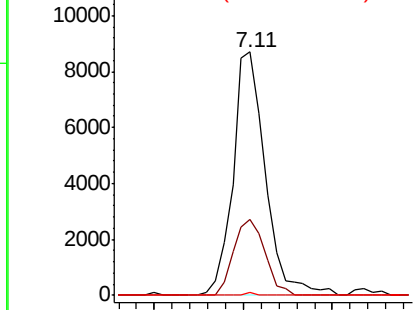
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.8	35.6
87	1.3	0.2	0.4

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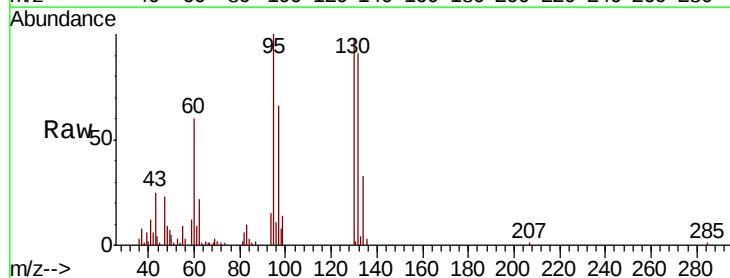
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



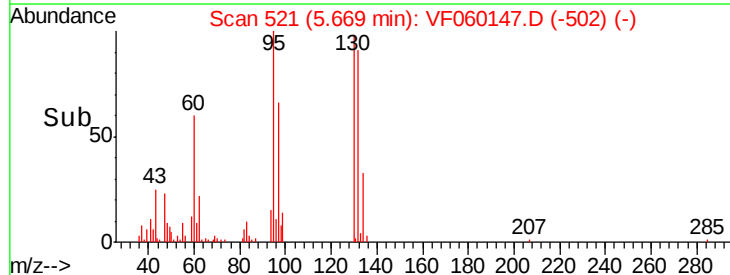
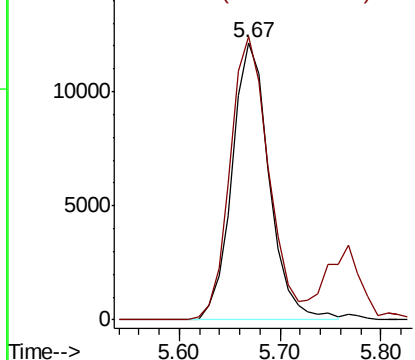
#44

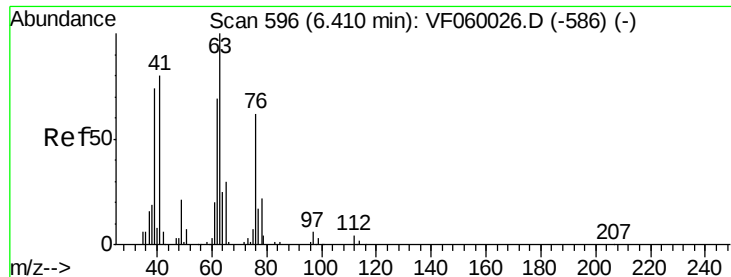
Trichloroethene
 Concen: 22.21 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	215.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.41 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBSD01

Tot Ion: 63 Resp: 24504

Ion Ratio Lower Upper

63 100

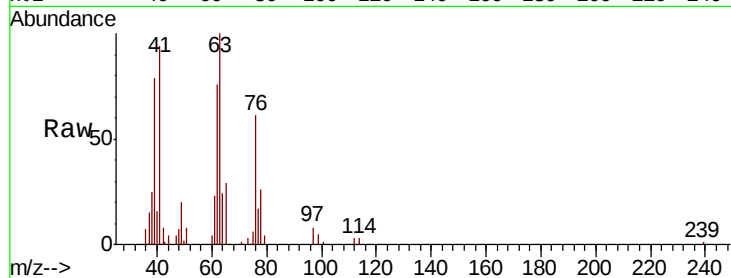
65 29.2 23.8 35.6

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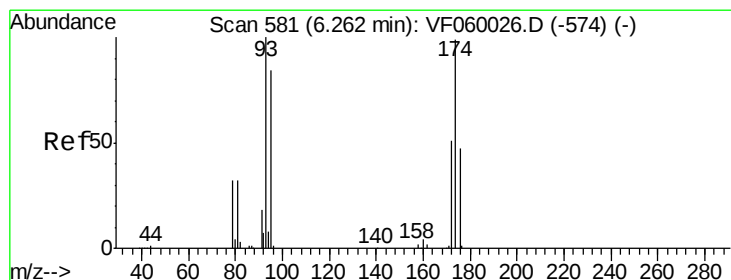
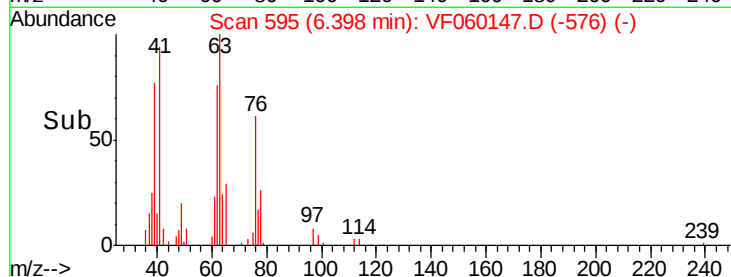
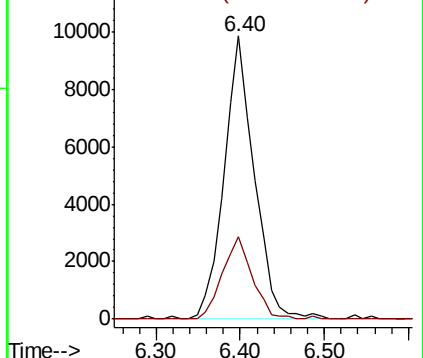
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.16 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

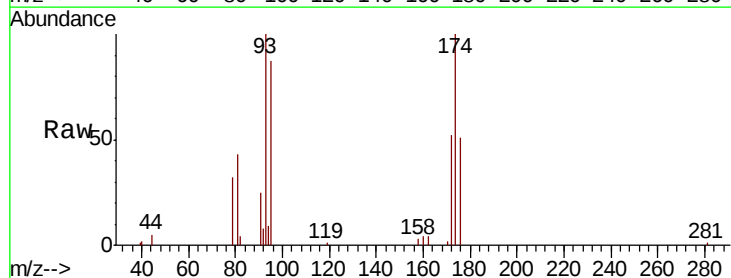
Tgt Ion: 93 Resp: 17997

Ion Ratio Lower Upper

93 100

95 87.5 67.1 100.7

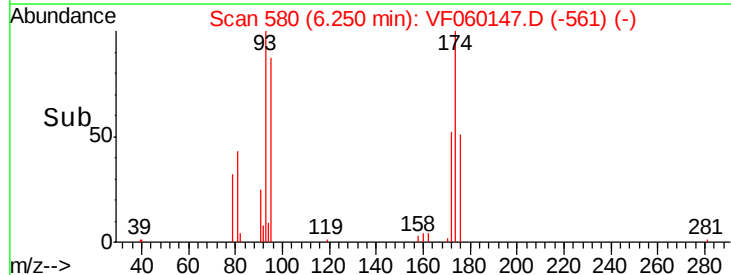
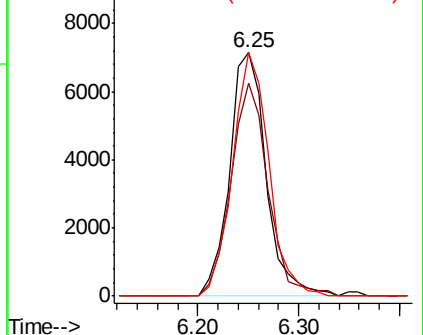
174 99.8 79.0 118.4

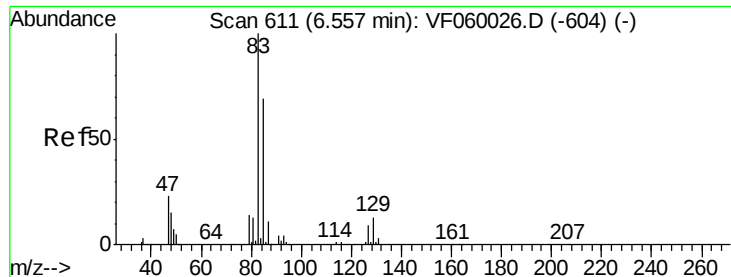


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.94 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

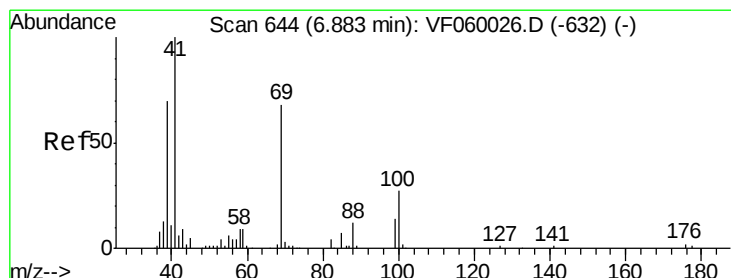
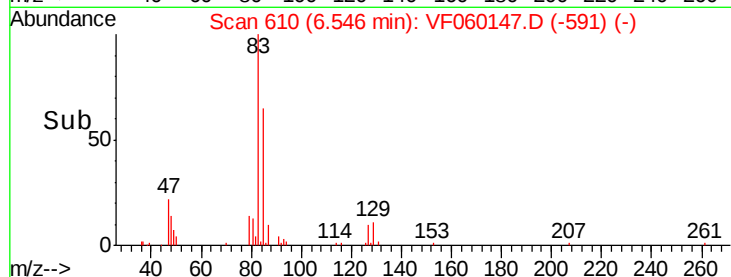
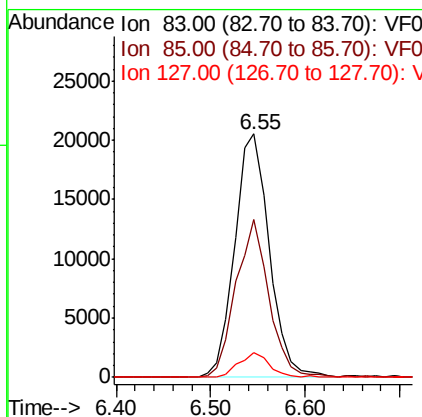
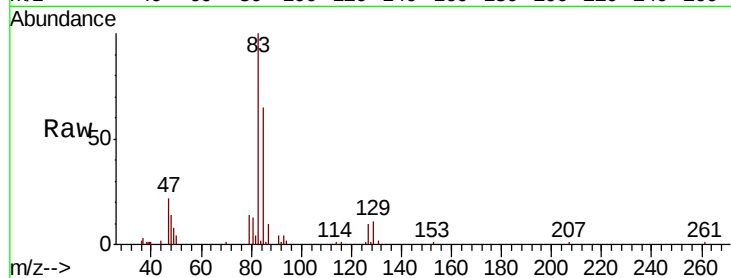
ClientSampleId :

VF0828SBS01

Tot Ion:	83	Resp:	52054
Ion	Ratio	Lower	Upper
83	100		
85	64.9	55.2	82.8
127	11.2	7.3	10.9#

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#48

Methyl methacrylate

Concen: 14.43 ug/l

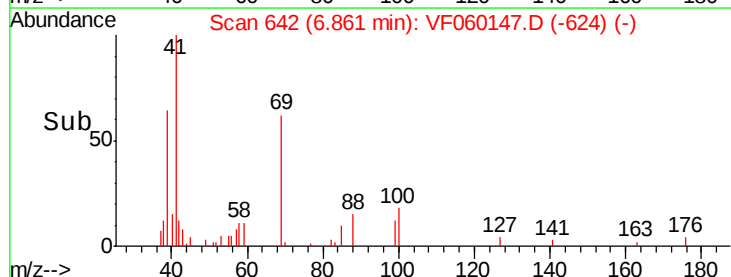
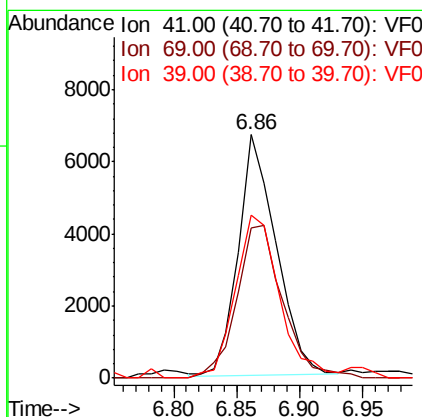
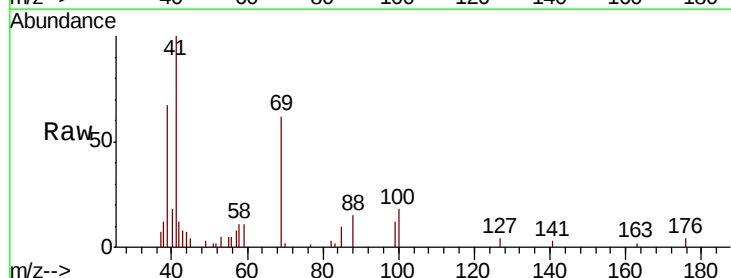
RT: 6.86 min Scan# 642

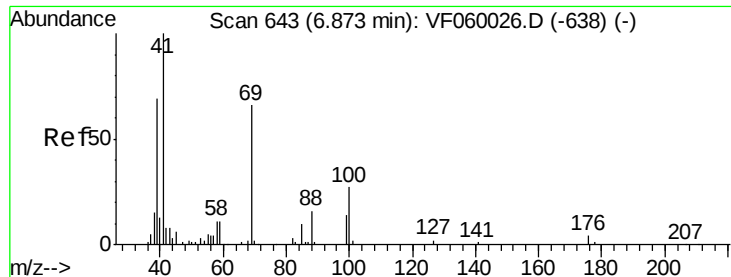
Delta R.T. -0.02 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	41	Resp:	13971
Ion	Ratio	Lower	Upper
41	100		
69	61.7	54.6	81.8
39	67.2	56.5	84.7





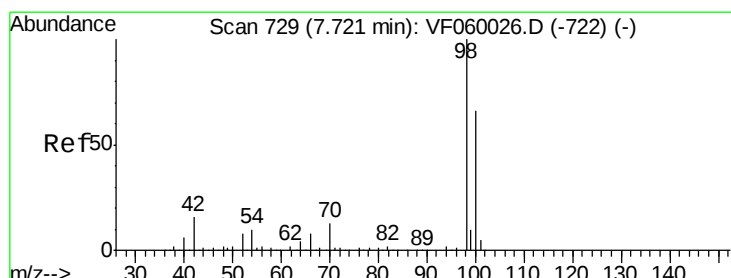
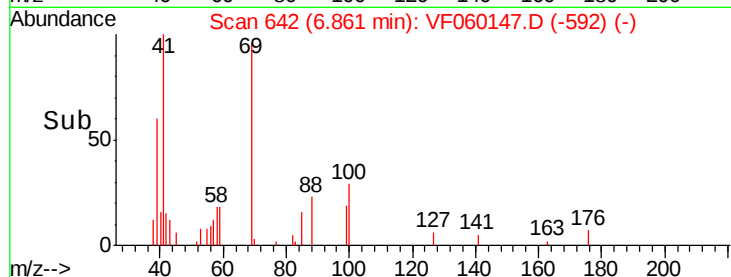
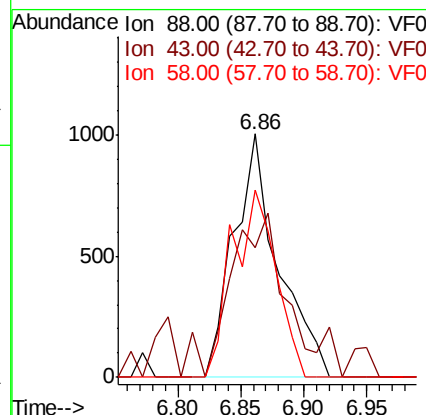
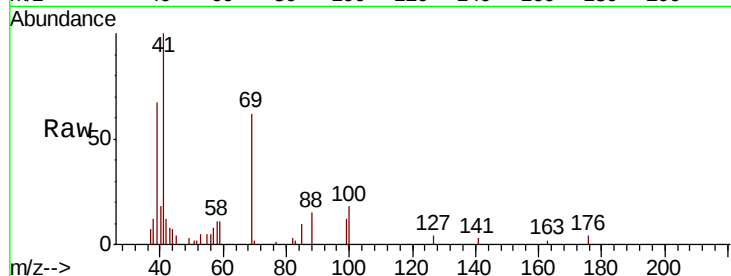
#49
1,4-Dioxane
Concen: 263.80 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.2	46.5	69.7
58	76.7	54.8	82.2

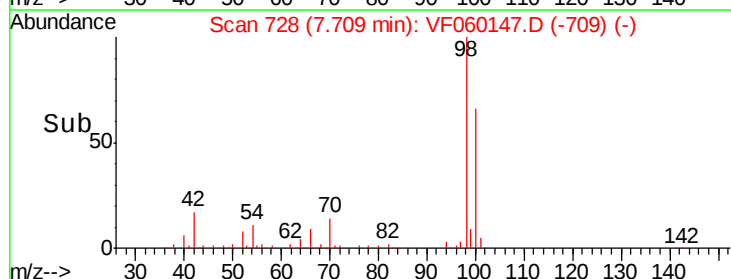
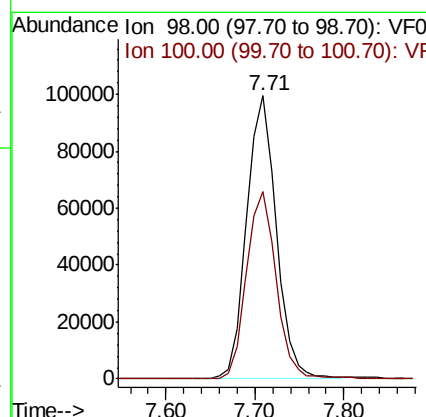
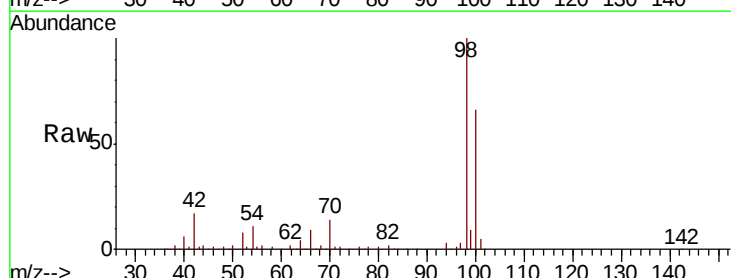
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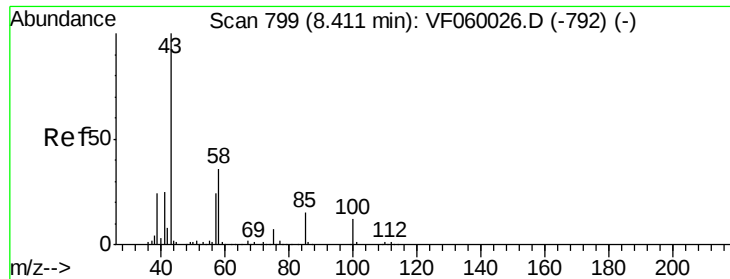
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#50
Toluene-d8
Concen: 49.79 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 86.47 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 43 Resp: 109212

Ion Ratio Lower Upper

43 100

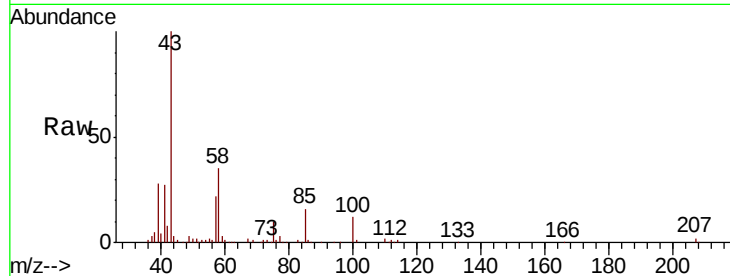
58 34.6 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

50000

40000

30000

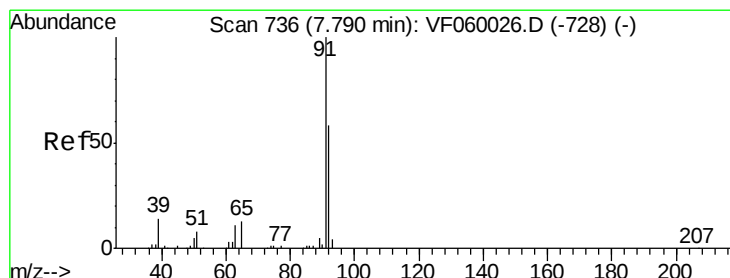
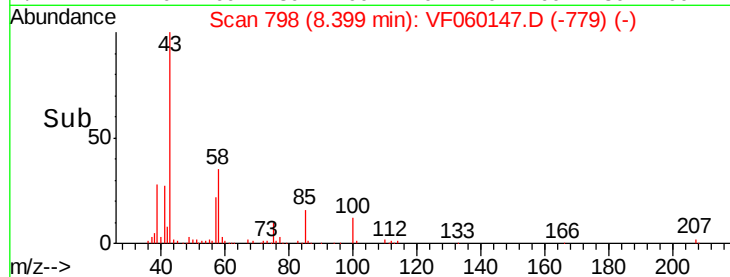
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 24.32 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060147.D

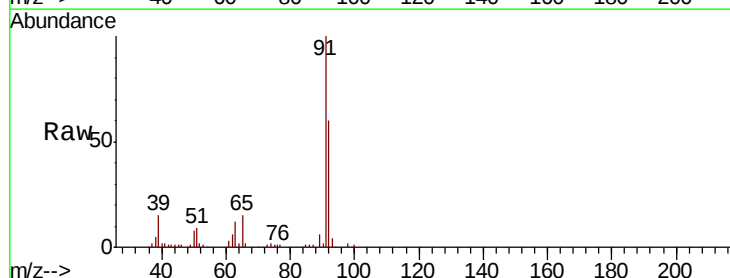
Acq: 28 Aug 2018 14:00

Tgt Ion: 92 Resp: 73302

Ion Ratio Lower Upper

92 100

91 165.8 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

50000

40000

30000

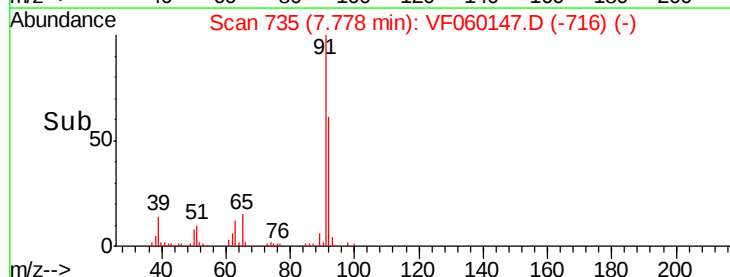
20000

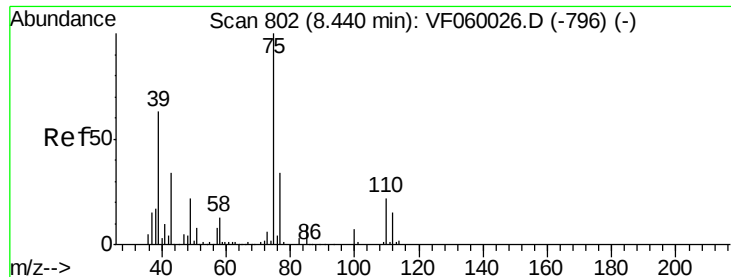
10000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.73 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 75 Resp: 42667

Ion Ratio Lower Upper

75 100

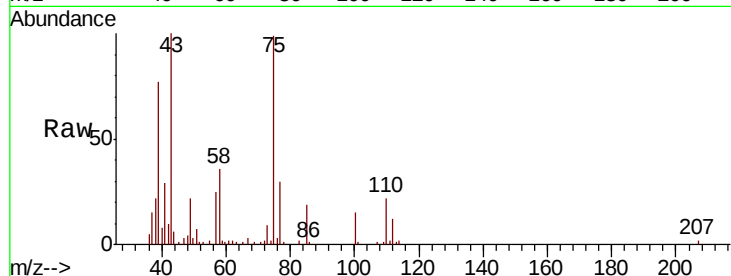
77 30.1 27.4 41.2

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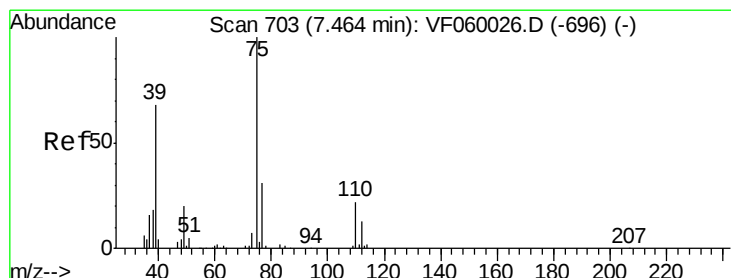
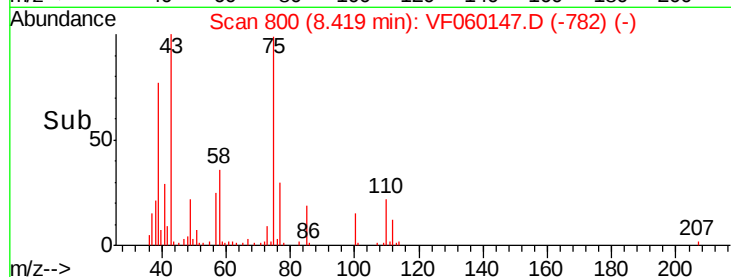
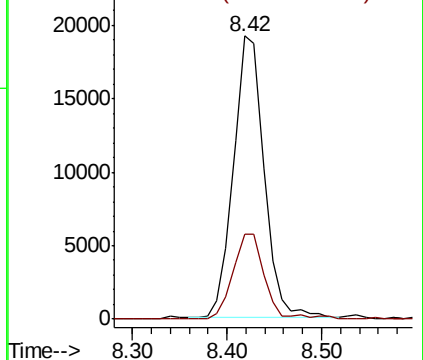
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.11 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

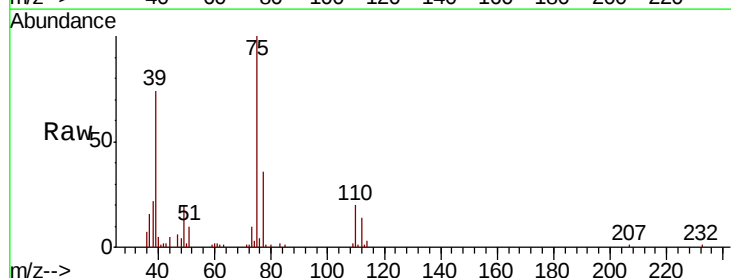
Tgt Ion: 75 Resp: 46198

Ion Ratio Lower Upper

75 100

77 36.0 24.6 37.0

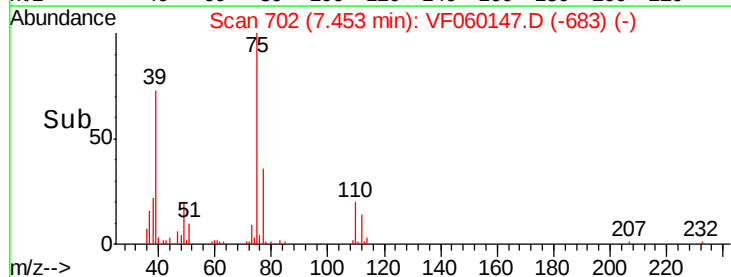
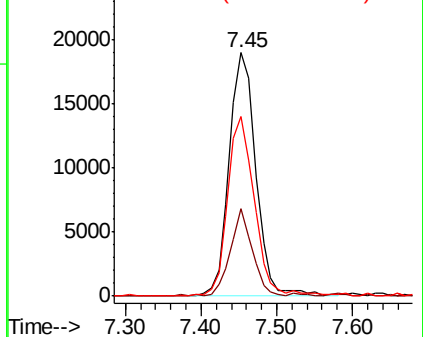
39 73.7 54.6 81.8

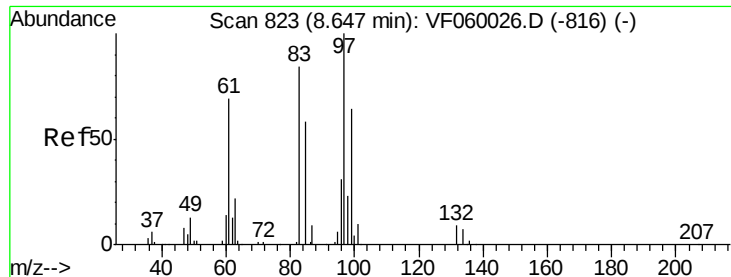


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.10 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

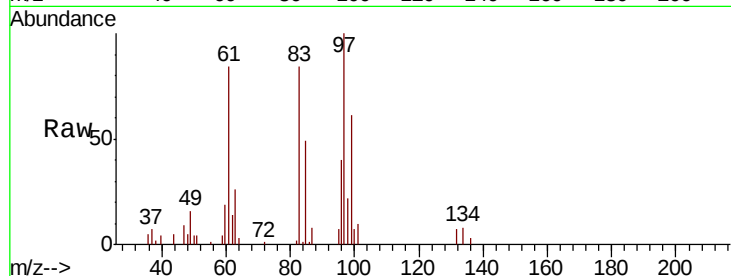
ClientSampleId :

VF0828SBS01

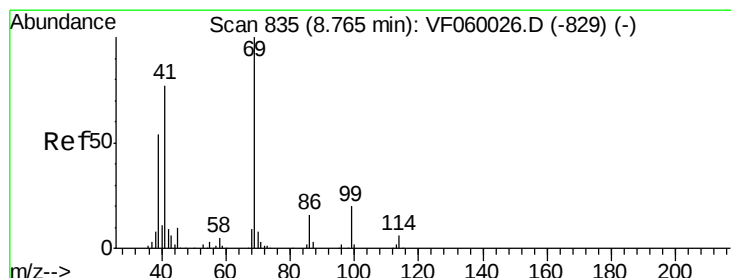
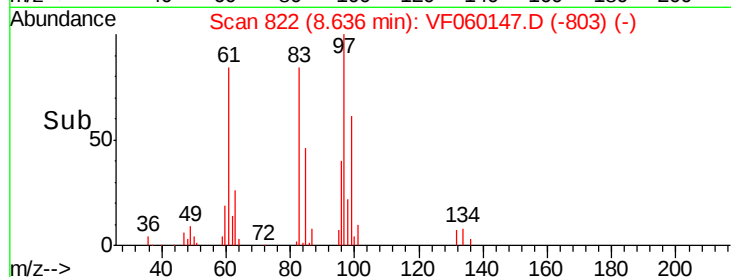
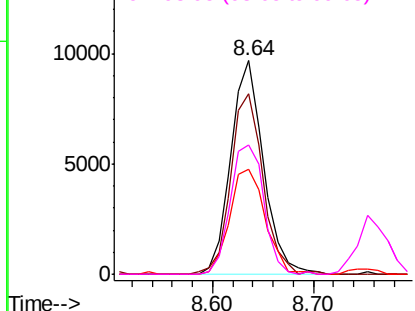
Tot Ion:	97	Resp:	21877
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.2
85	49.2	46.2	69.2
99	60.7	51.1	76.7

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Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 16.72 ug/l

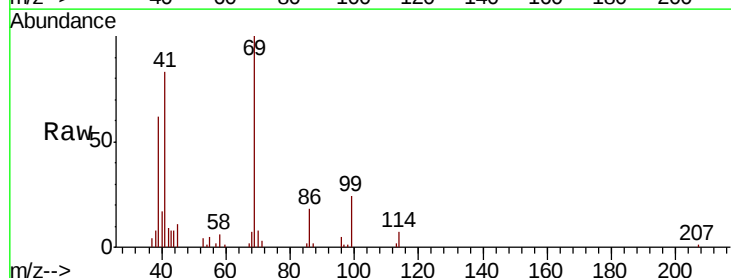
RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

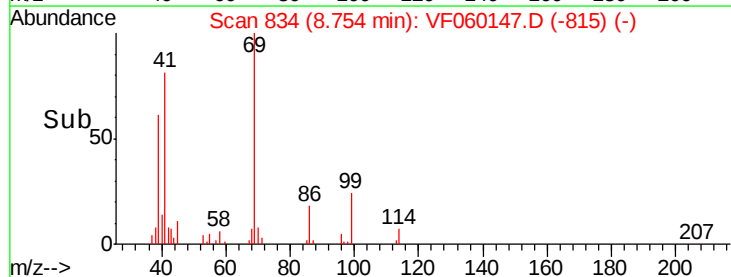
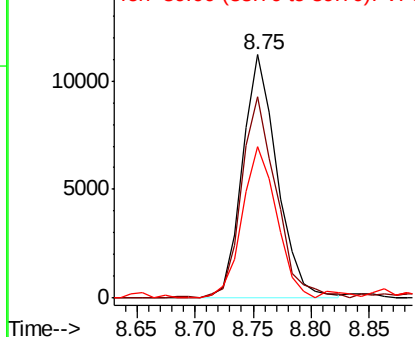
Lab File: VF060147.D

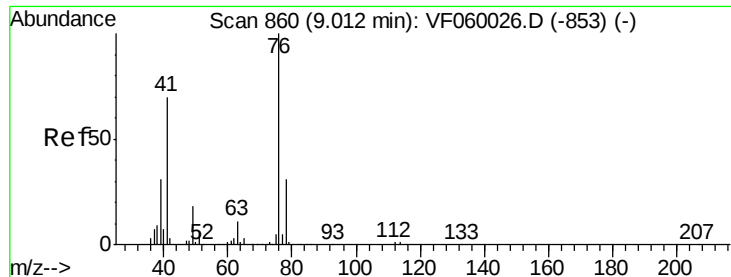
Acq: 28 Aug 2018 14:00

Tgt Ion:	69	Resp:	23182
Ion	Ratio	Lower	Upper
69	100		
41	82.9	61.6	92.4
39	62.0	43.9	65.9



Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.43 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBSD01

Tot Ion: 76 Resp: 37099

Ion Ratio Lower Upper

76 100

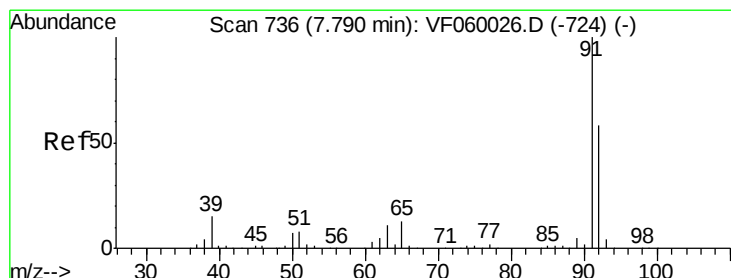
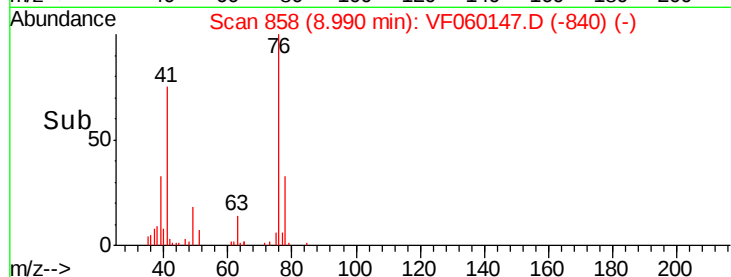
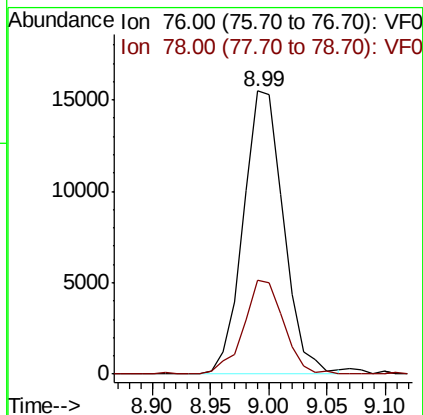
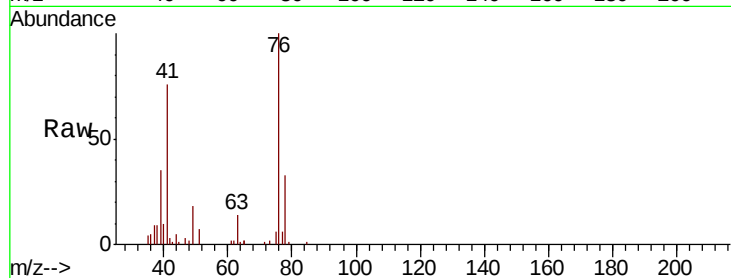
78 33.0 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 127.63 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060147.D

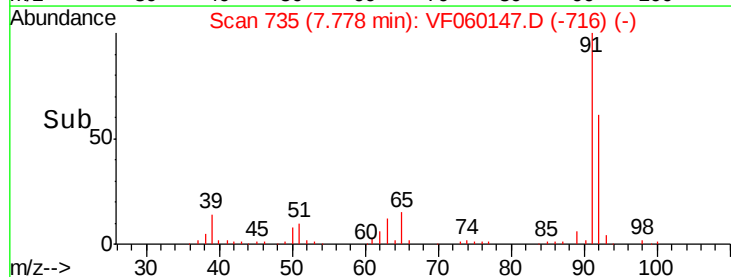
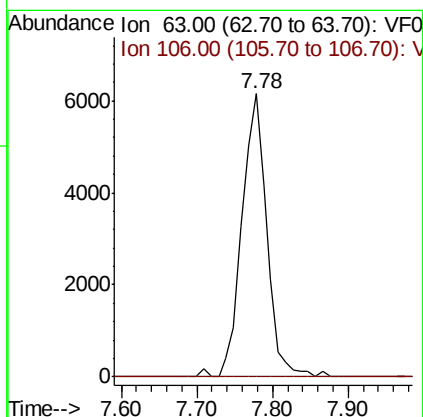
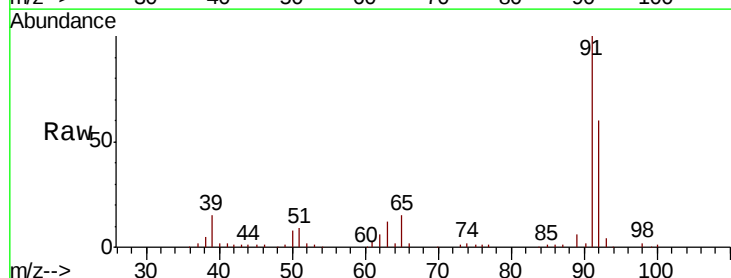
Acq: 28 Aug 2018 14:00

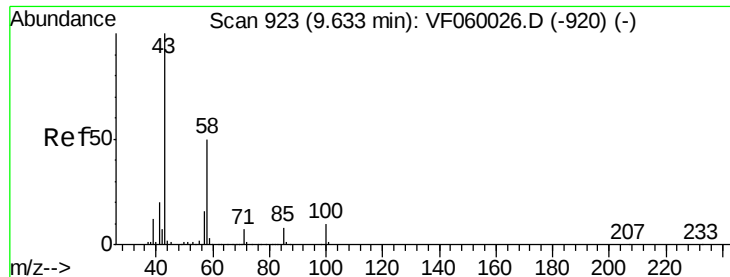
Tgt Ion: 63 Resp: 14045

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





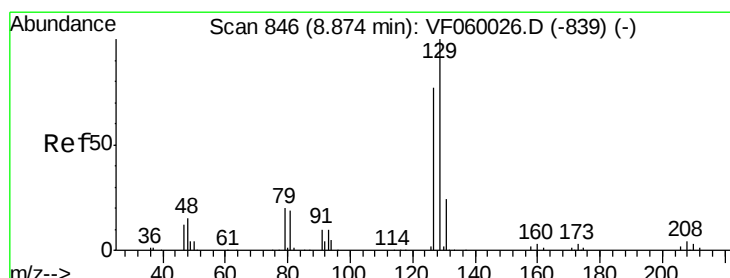
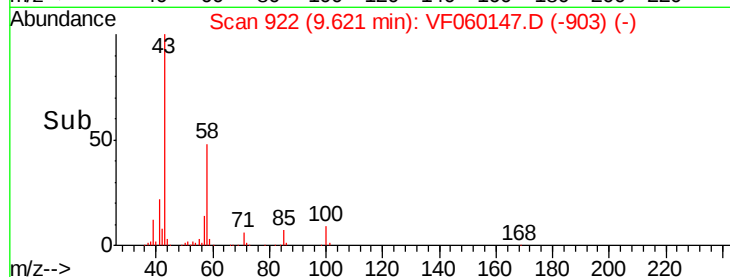
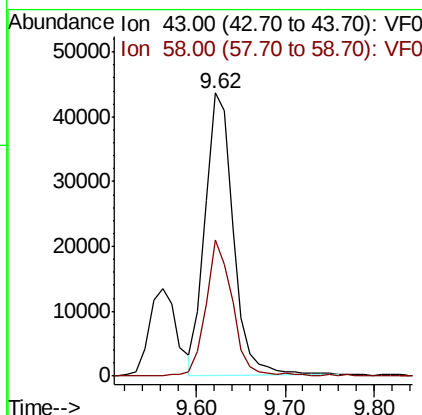
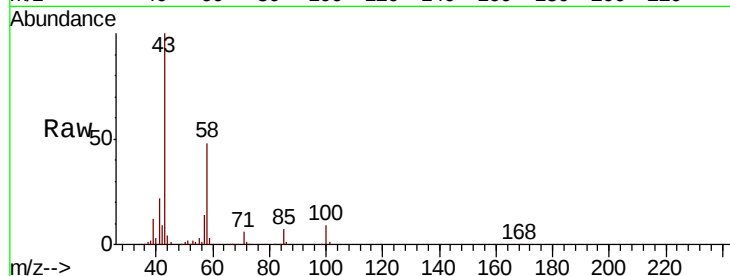
#59
2-Hexanone
Concen: 93.17 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBSD01

Tot Ion: 43 Resp: 95243
Ion Ratio Lower Upper
43 100
58 47.9 23.4 70.2

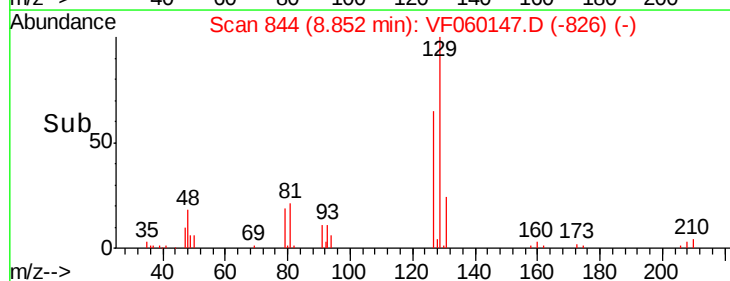
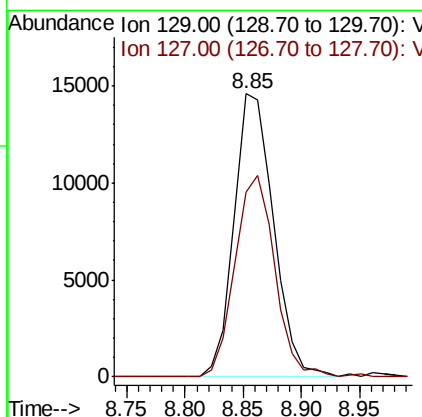
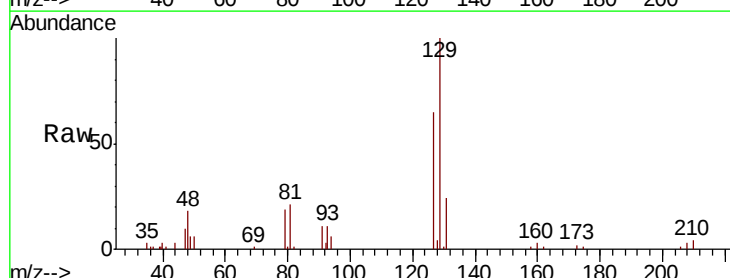
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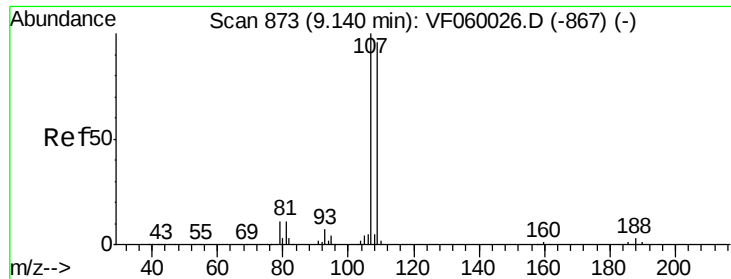
apatel
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#60
Dibromochloromethane
Concen: 20.31 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion: 129 Resp: 34335
Ion Ratio Lower Upper
129 100
127 69.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 16.55 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:107 Resp: 22259

Ion Ratio Lower Upper

107 100

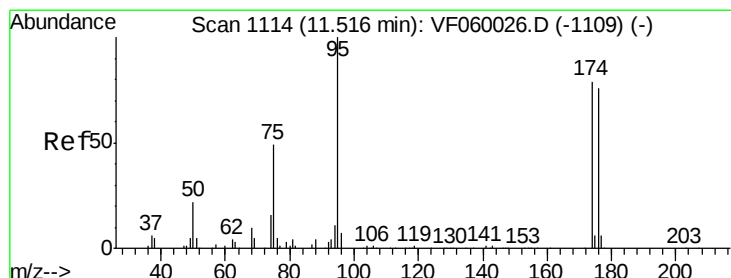
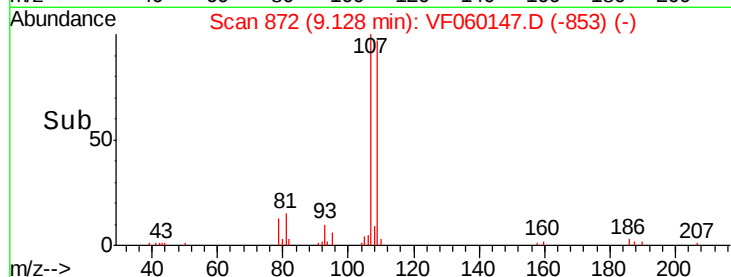
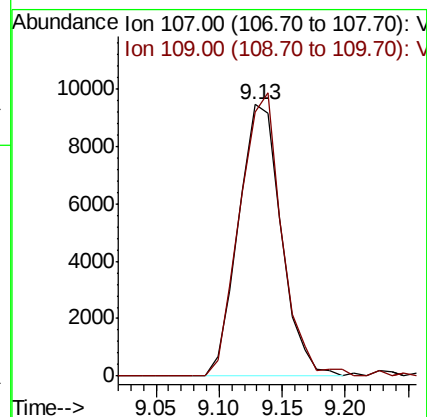
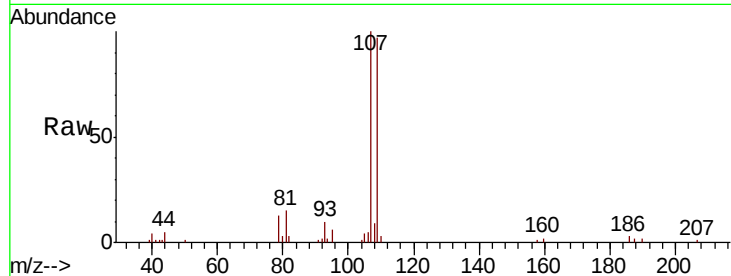
109 97.3 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 52.56 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

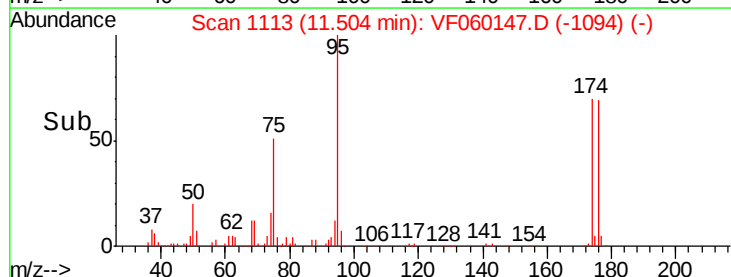
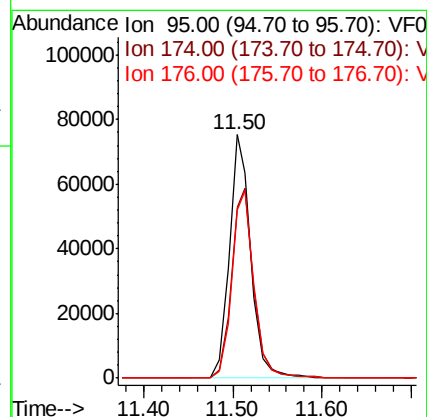
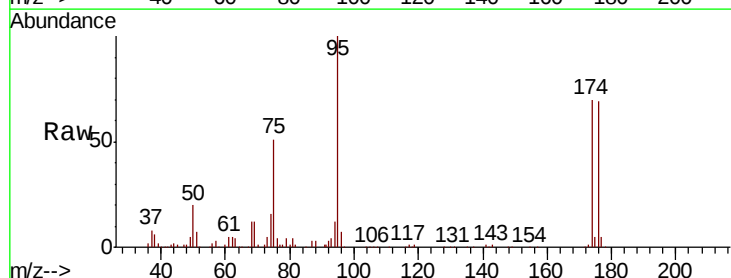
Tgt Ion: 95 Resp: 128213

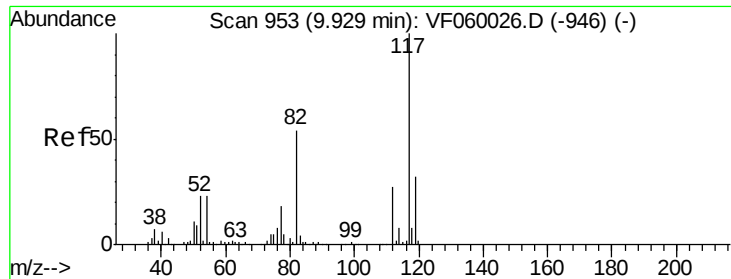
Ion Ratio Lower Upper

95 100

174 70.3 0.0 158.4

176 69.3 0.0 153.0





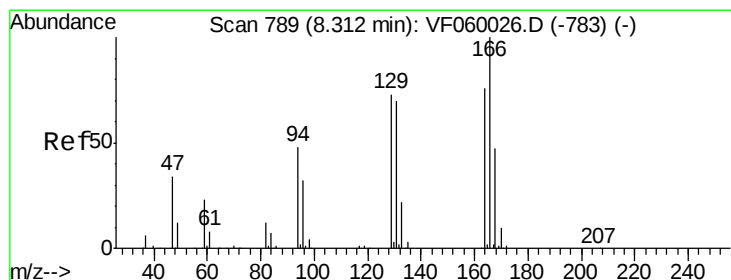
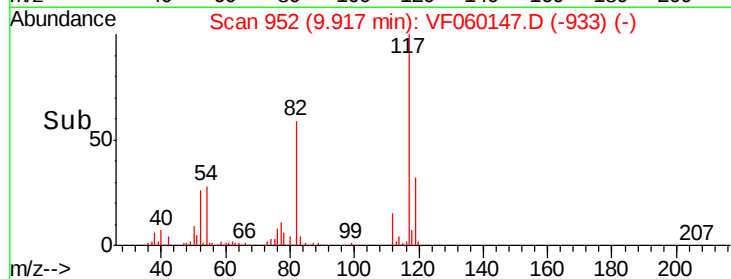
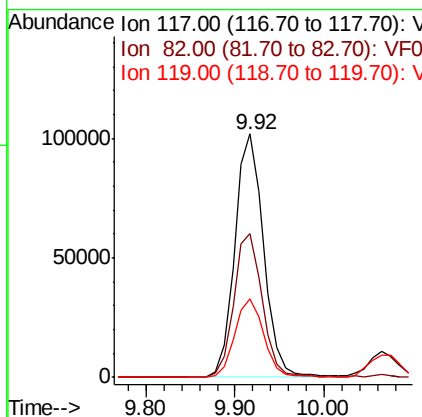
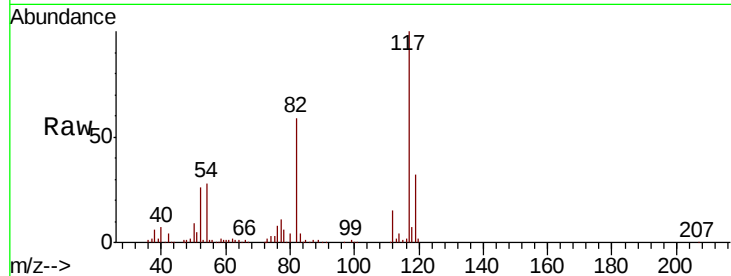
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229783		
82	58.9		43.6	65.4
119	32.3		25.6	38.4

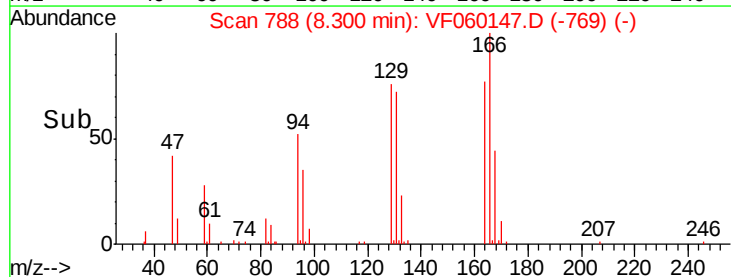
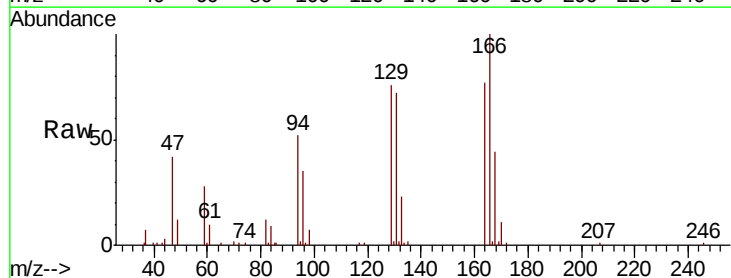
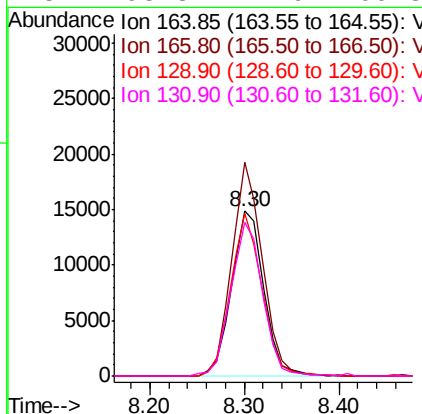
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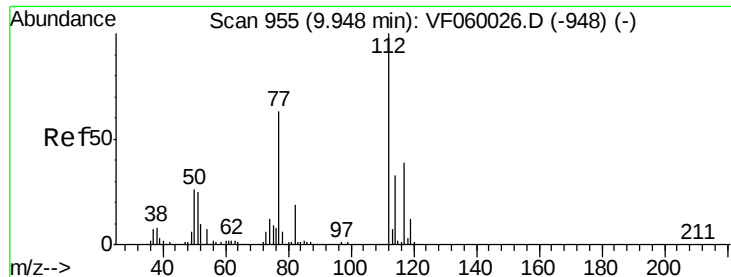
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#64
Tetrachloroethene
Concen: 22.63 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35030		
166	129.5		104.7	157.1
129	98.4		77.0	115.4
131	93.3		72.9	109.3





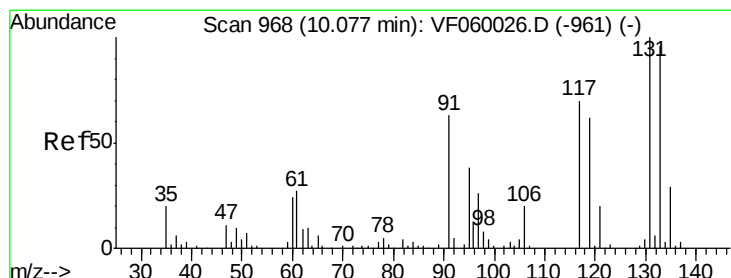
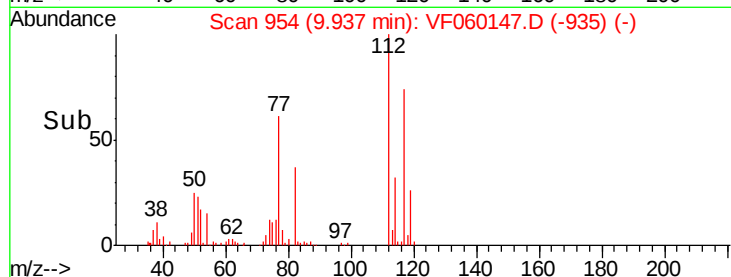
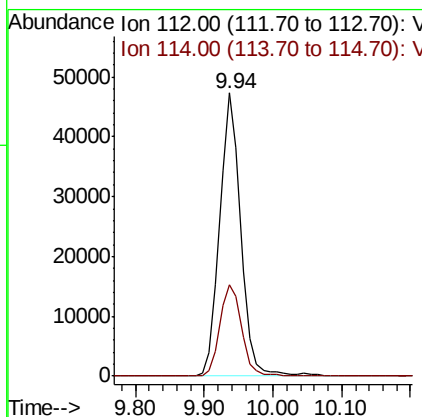
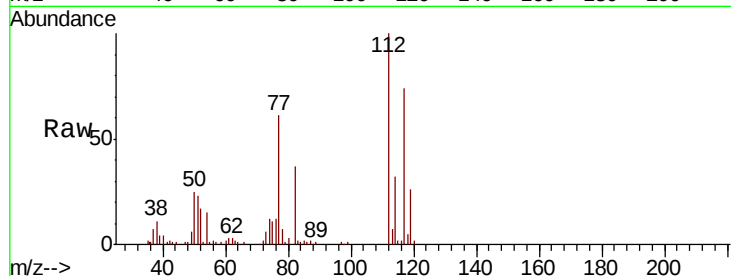
#65
Chlorobenzene
Concen: 23.19 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	100619		
114	32.4	26.2	39.2	

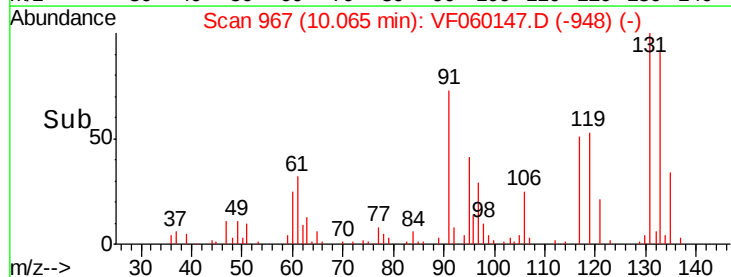
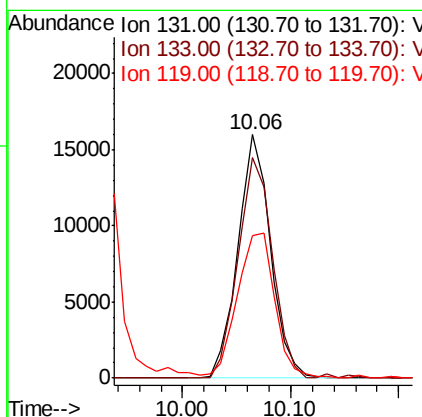
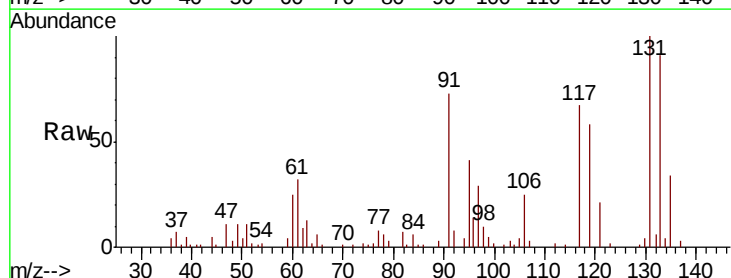
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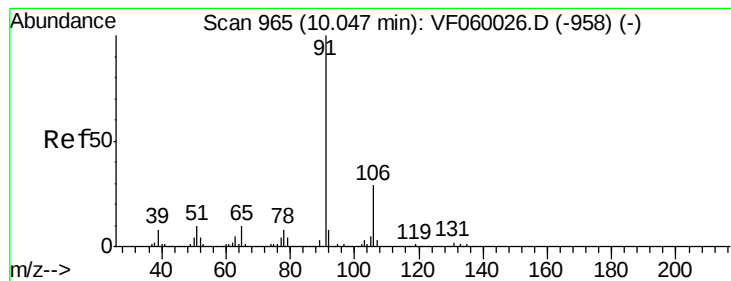
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.39 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	33557		
133	90.7	48.2	144.6	
119	58.3	31.4	94.2	





#67

Ethyl Benzene

Concen: 23.94 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion: 91 Resp: 179221

Ion Ratio Lower Upper

91 100

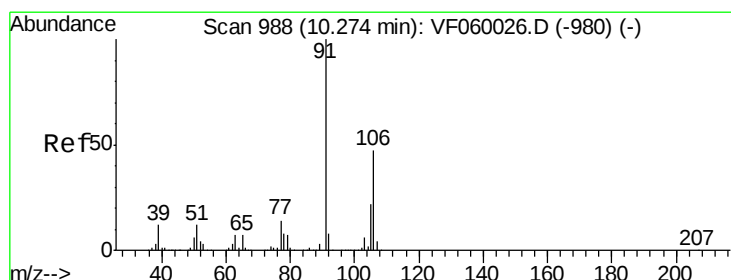
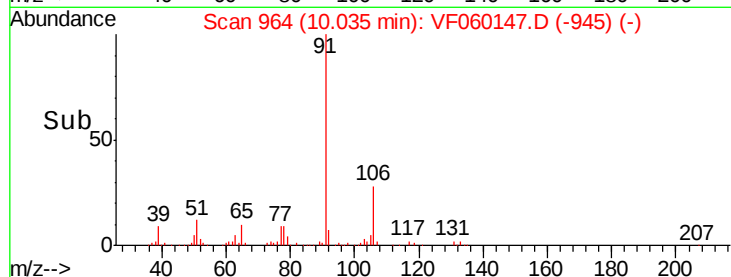
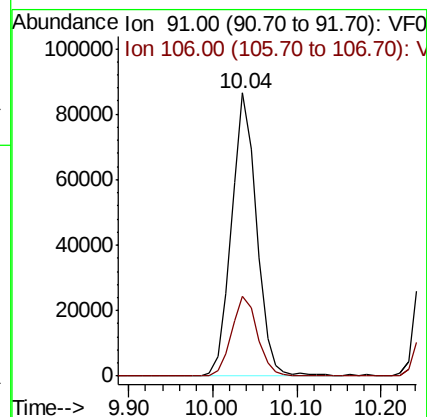
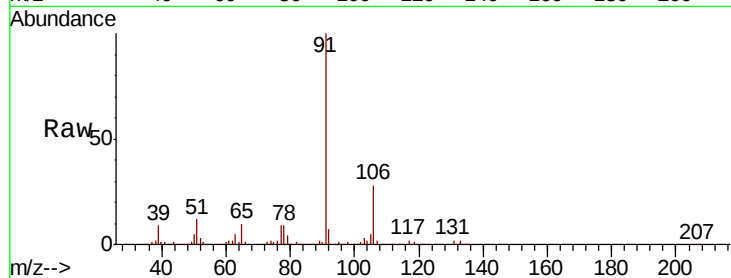
106 28.2 23.6 35.4

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#68

m/p-Xylenes

Concen: 45.03 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060147.D

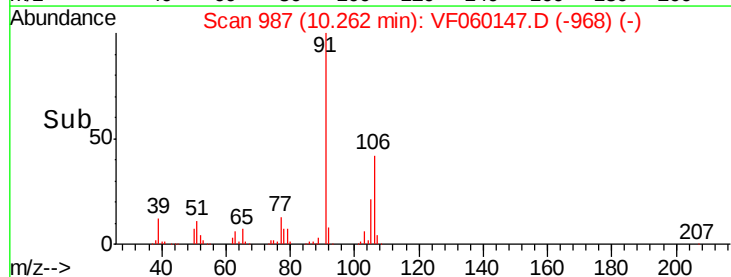
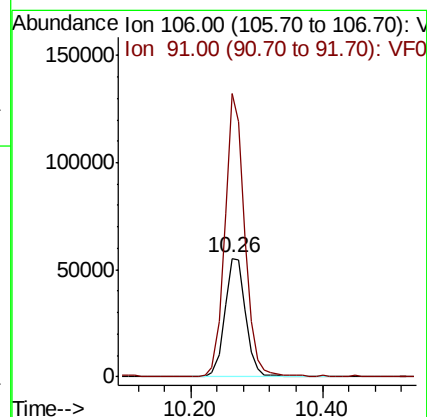
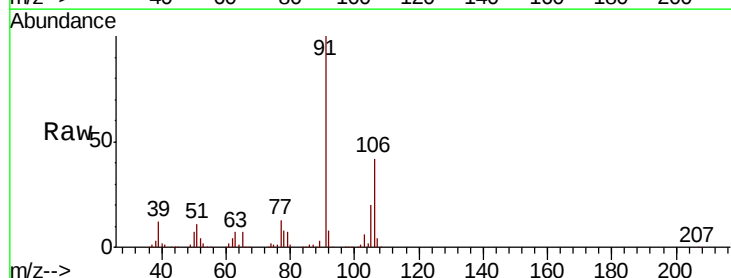
Acq: 28 Aug 2018 14:00

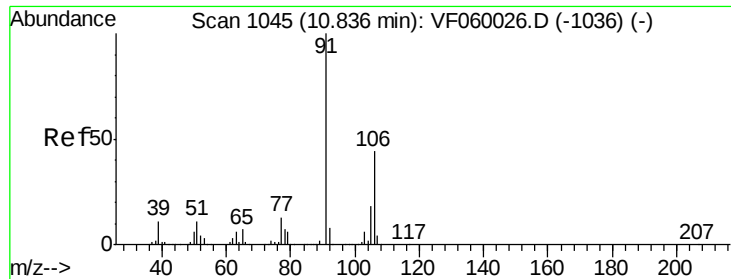
Tgt Ion: 106 Resp: 123023

Ion Ratio Lower Upper

106 100

91 239.2 171.8 257.8





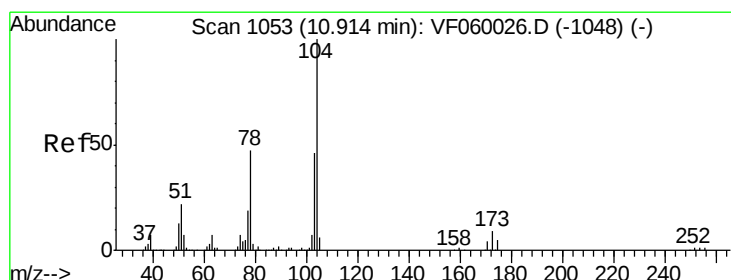
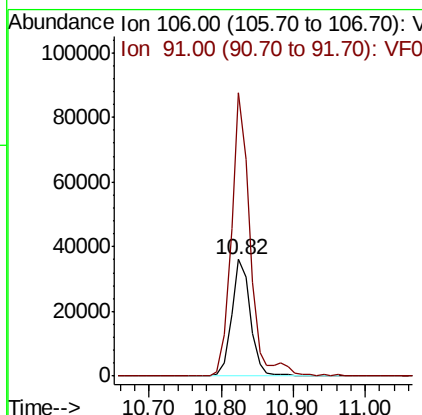
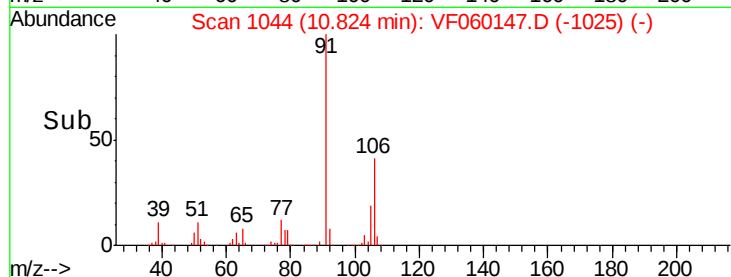
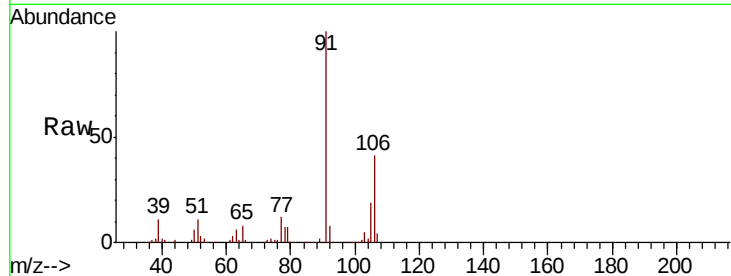
#69
o-Xylene
Concen: 22.53 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleID :
VF0828SBS01

Tot Ion:106 Resp: 66089
Ion Ratio Lower Upper
106 100
91 242.6 112.5 337.5

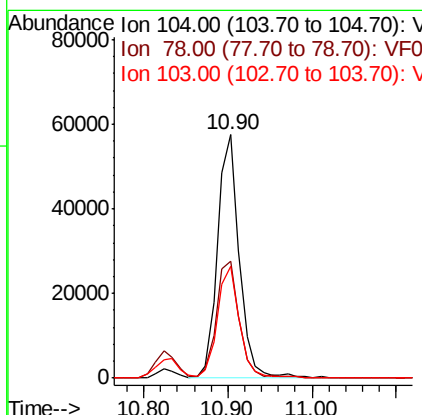
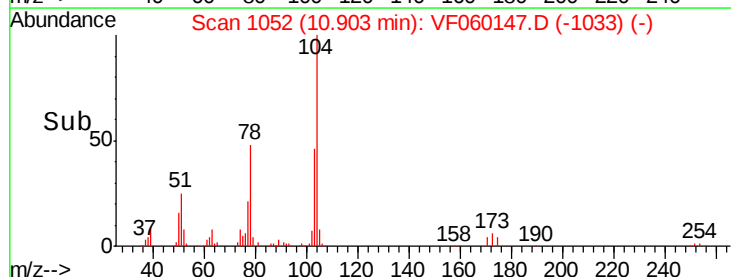
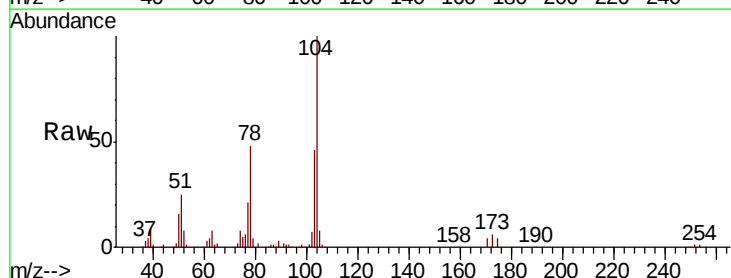
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#70
Styrene
Concen: 22.97 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion:104 Resp: 103355
Ion Ratio Lower Upper
104 100
78 48.2 38.0 57.0
103 46.0 37.6 56.4





#71

Bromoform

Concen: 17.69 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

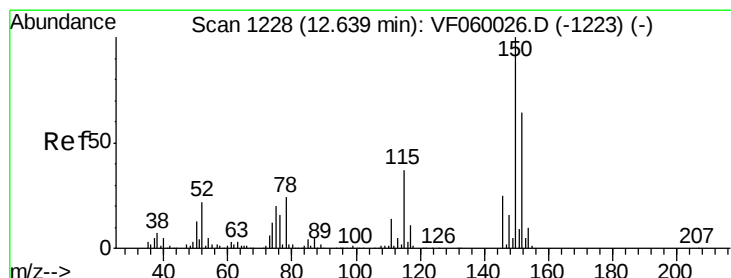
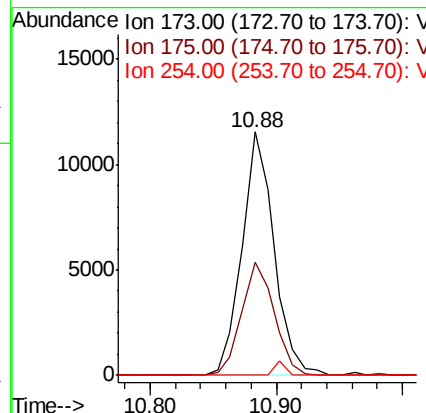
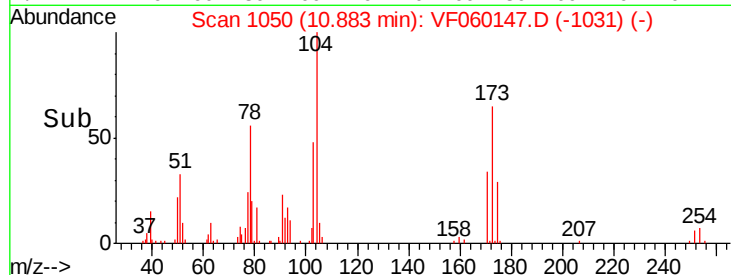
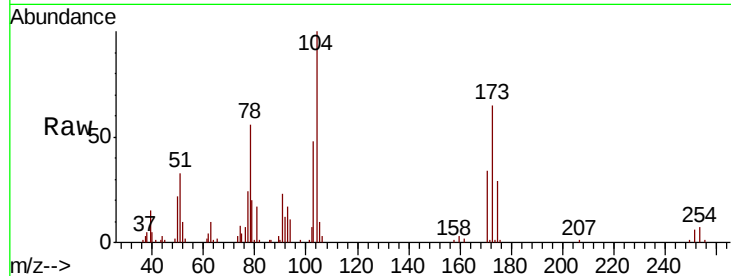
ClientSampleId :

VF0828SBS01

Tot Ion:	173	Resp:	20307
Ion Ratio	Lower	Upper	
173	100		
175	46.7	24.7	74.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

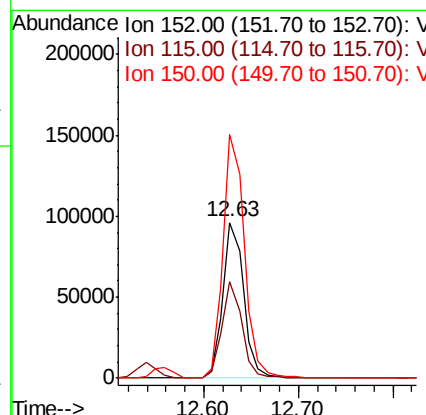
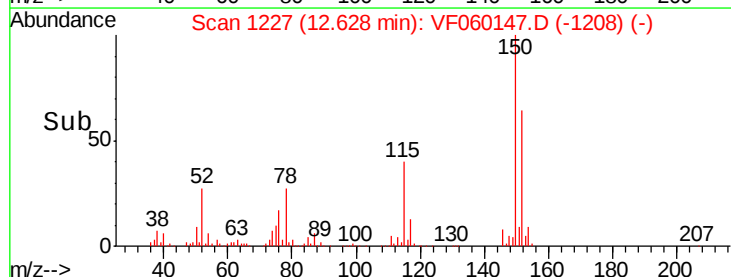
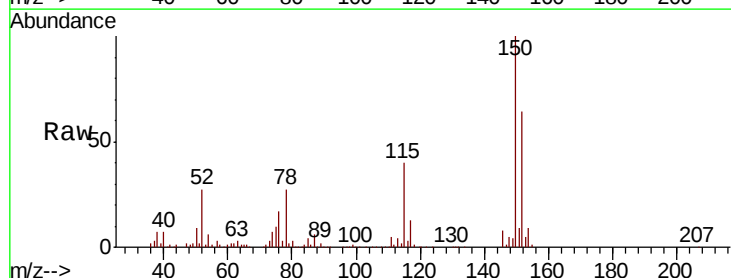
RT: 12.63 min Scan# 1227

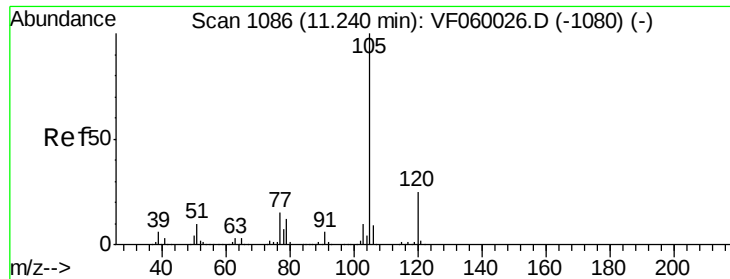
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	152	Resp:	147125
Ion Ratio	Lower	Upper	
152	100		
115	61.8	28.6	85.9
150	156.3	0.0	312.0





#73

Isopropylbenzene

Concen: 23.99 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBS01

Tot Ion:105 Resp: 212456

Ion Ratio Lower Upper

105 100

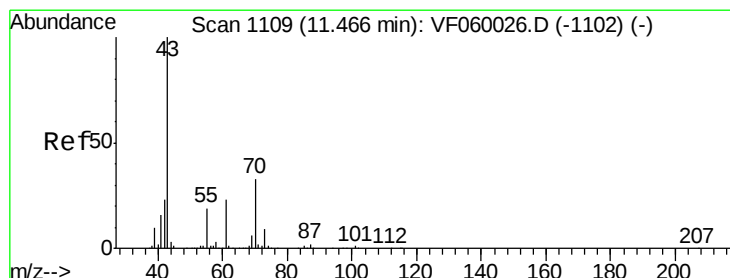
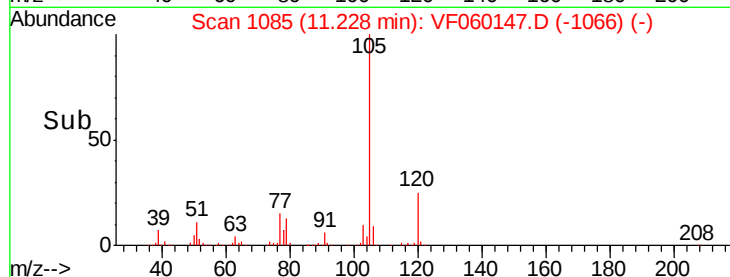
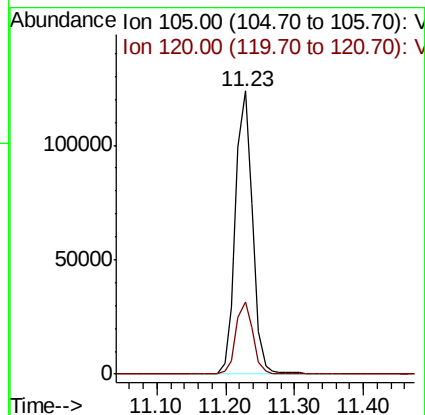
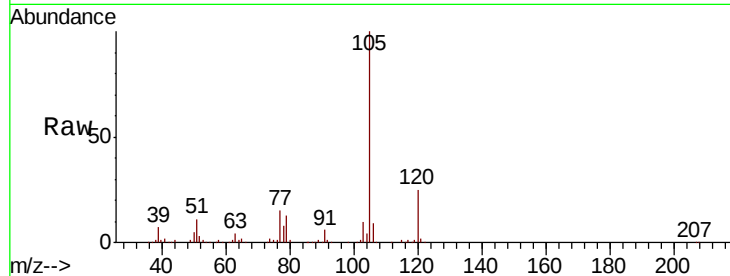
120 25.4 12.7 38.0

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#74

N-ethyl acetate

Concen: 15.89 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion: 43 Resp: 43730

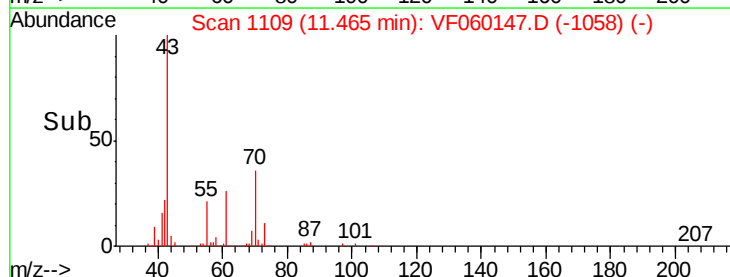
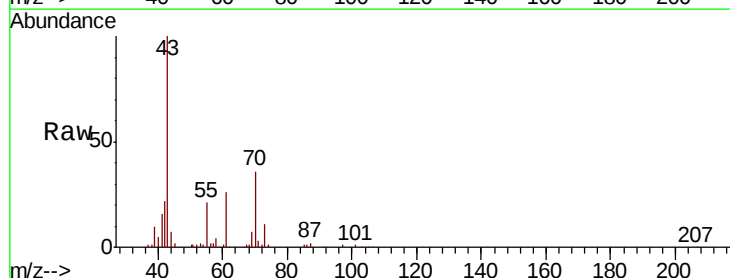
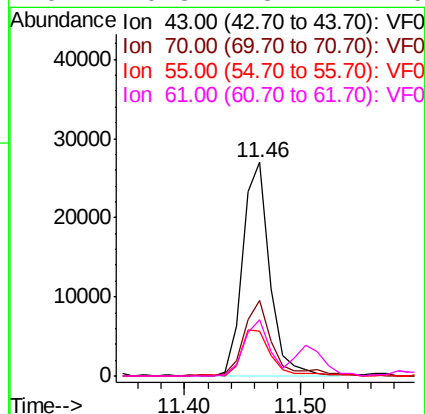
Ion Ratio Lower Upper

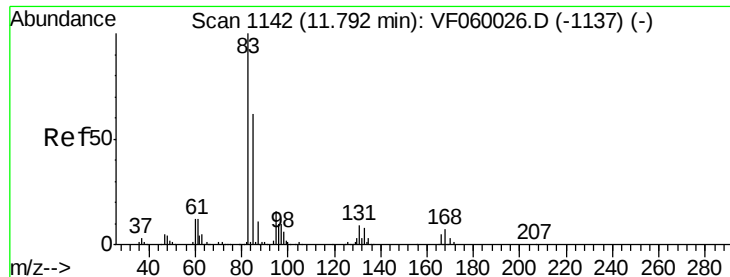
43 100

70 35.6 26.4 39.6

55 20.9 15.0 22.4

61 26.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.28 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

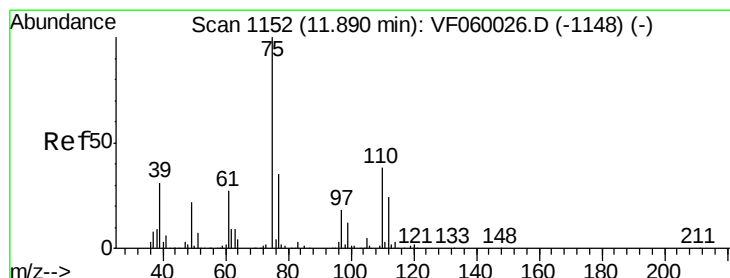
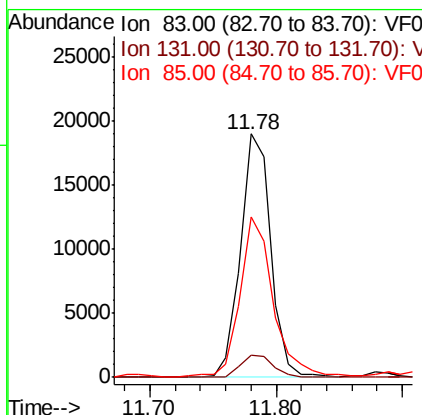
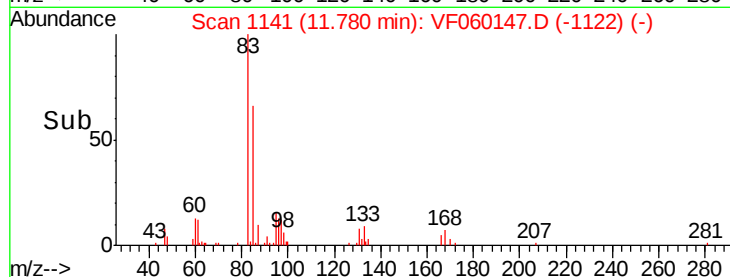
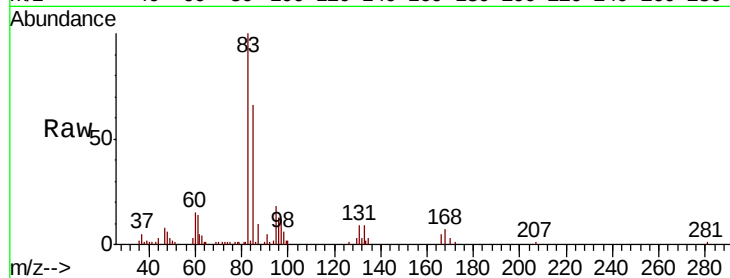
ClientSampleId :

VF0828SBS01

Tot Ion:	83	Resp:	31496
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	65.9	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 16.83 ug/l

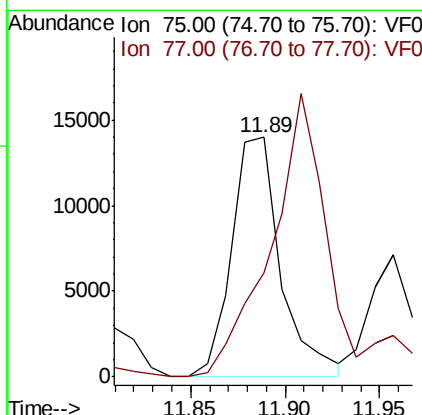
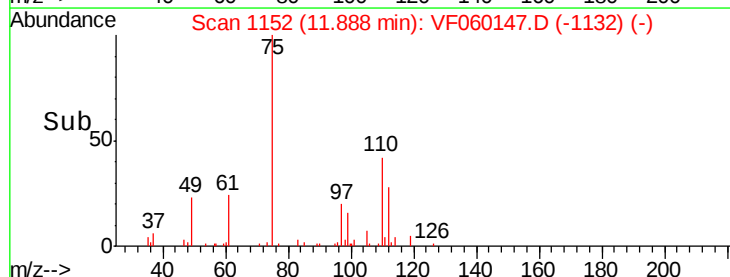
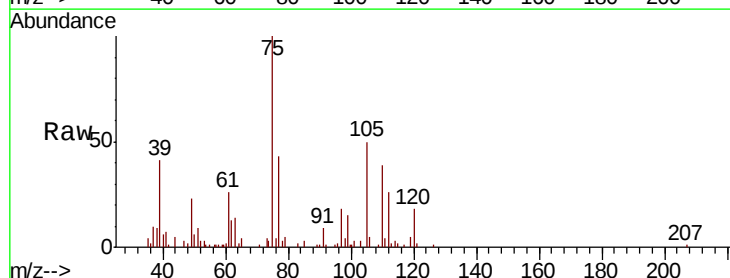
RT: 11.89 min Scan# 1152

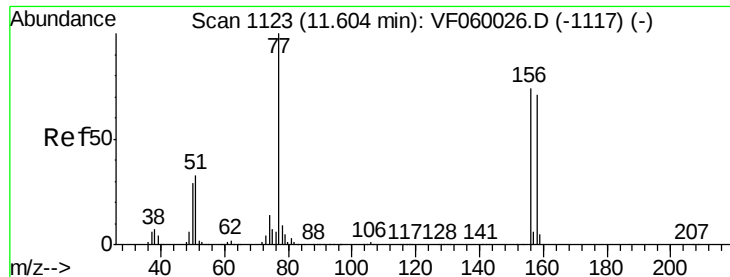
Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	75	Resp:	25236
Ion Ratio	Lower	Upper	
75	100		
77	43.4	17.3	52.0





#77

Bromobenzene

Concen: 20.68 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

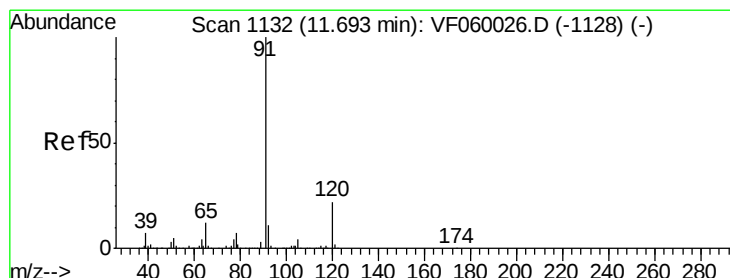
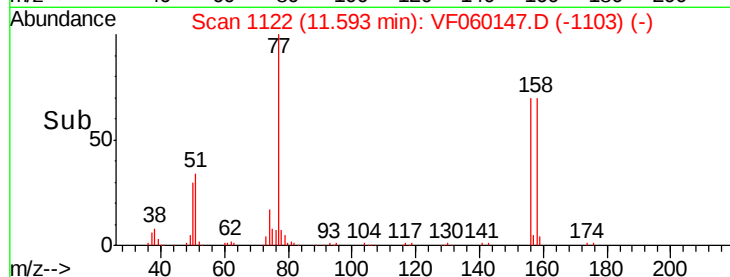
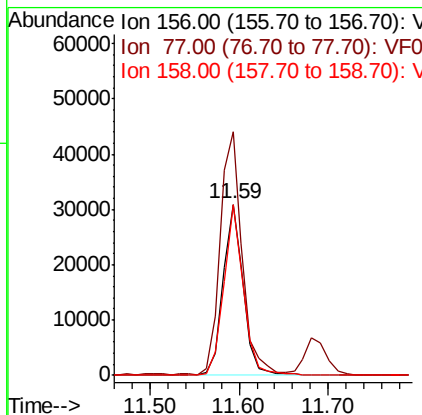
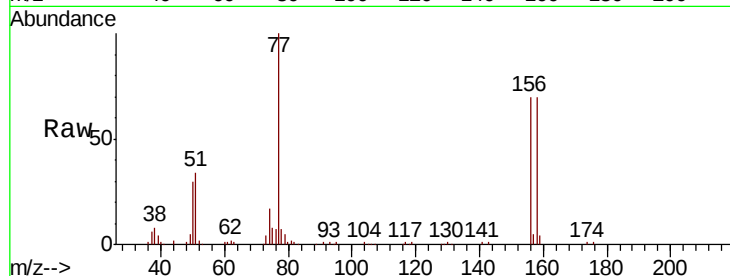
ClientSampleId :

VF0828SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.3	68.0	204.0	
158	100.0	48.4	145.3	

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#78

n-propylbenzene

Concen: 24.16 ug/l

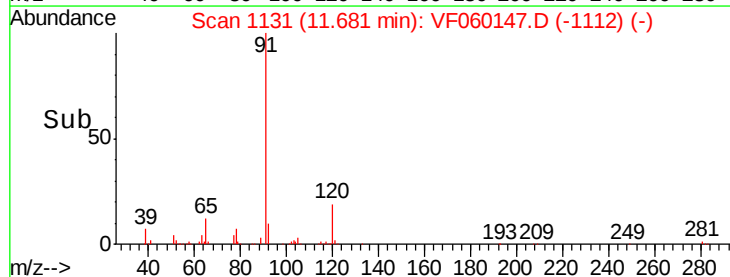
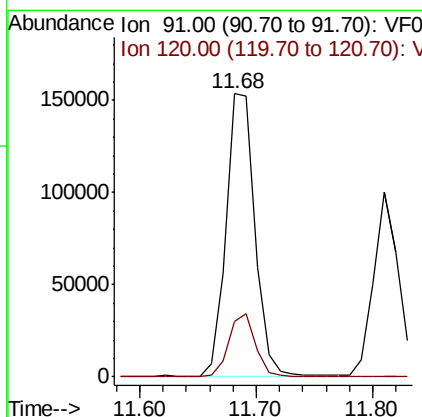
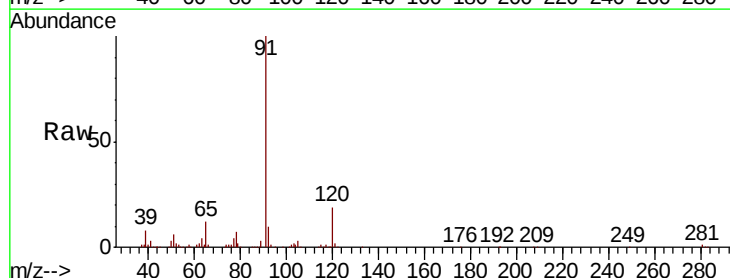
RT: 11.68 min Scan# 1131

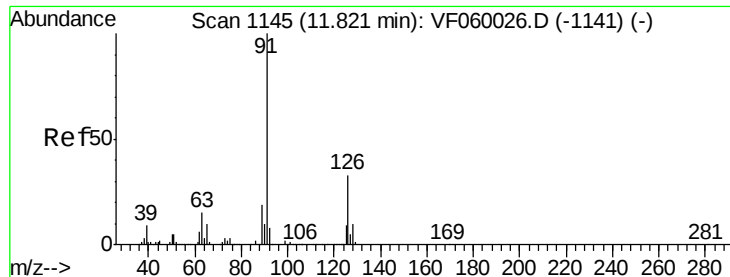
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.4	10.9	32.7	





#79

2-Chlorotoluene

Concen: 22.93 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBSD01

Tot Ion: 91 Resp: 147380

Ion Ratio Lower Upper

91 100

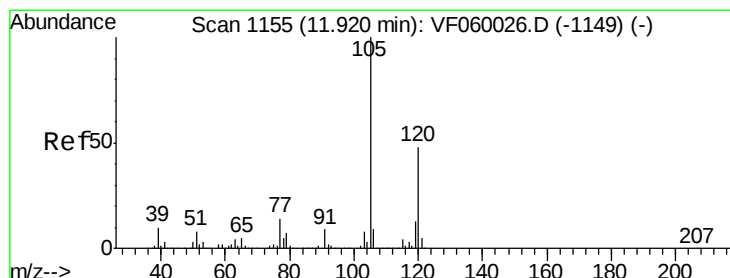
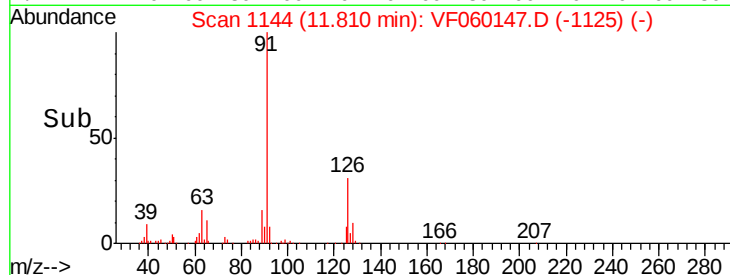
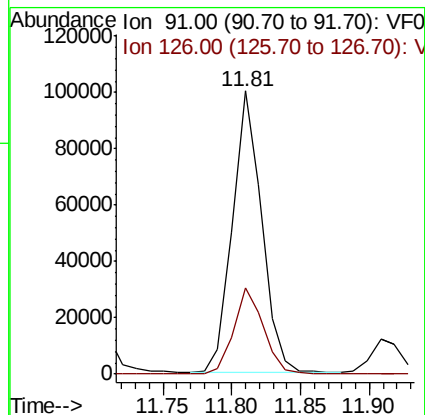
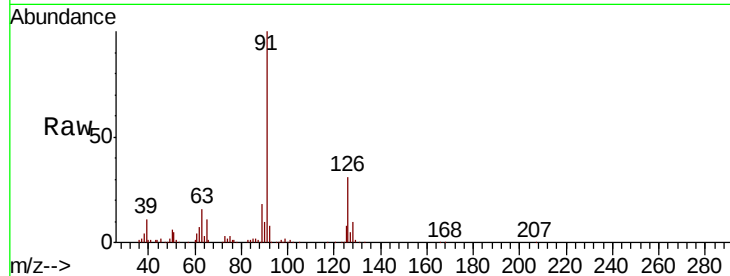
126 30.6 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 24.66 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060147.D

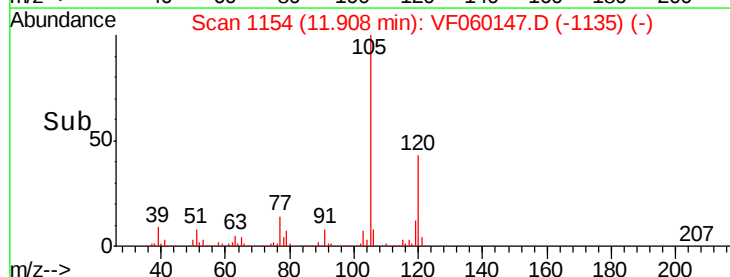
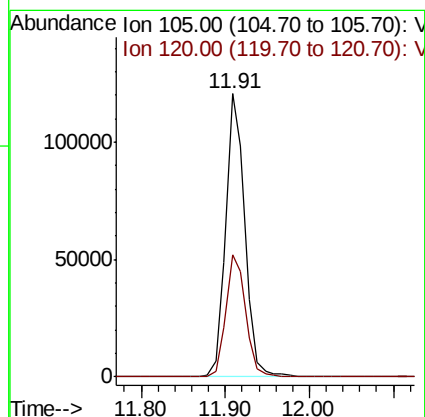
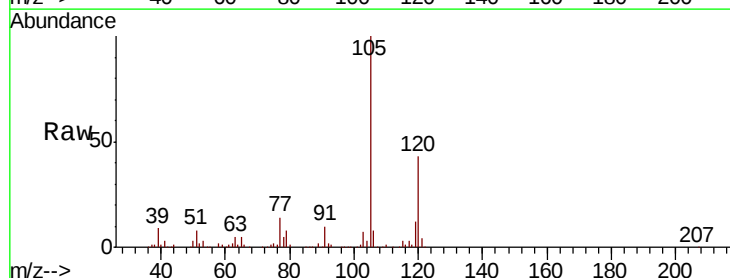
Acq: 28 Aug 2018 14:00

Tgt Ion: 105 Resp: 190249

Ion Ratio Lower Upper

105 100

120 43.0 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.51 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

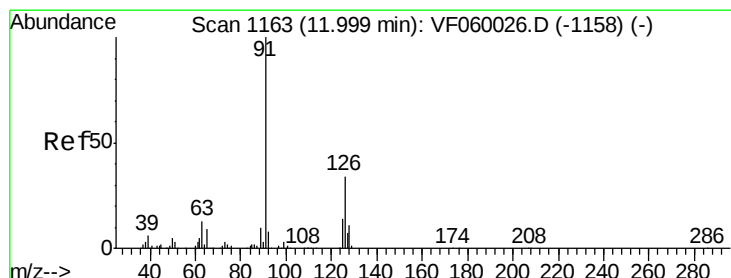
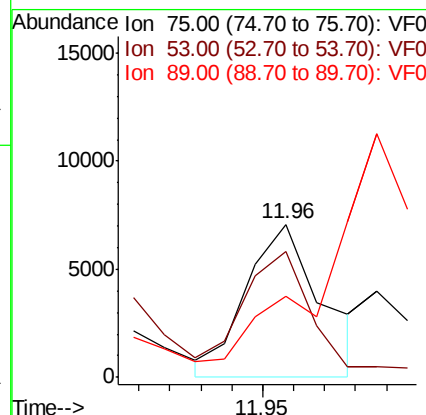
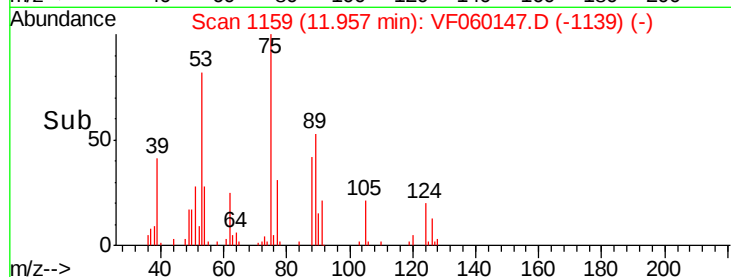
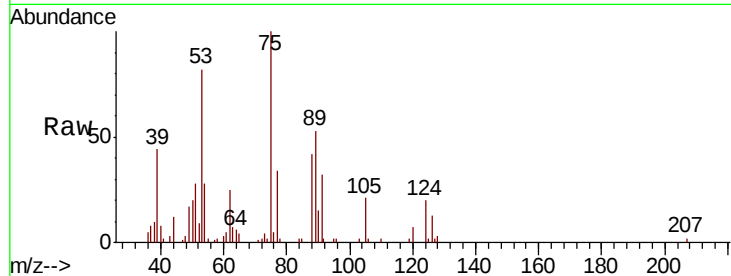
ClientSampleId :

VF0828SBS01

Tot Ion:	75	Resp:	12014
Ion	Ratio	Lower	Upper
75	100		
53	82.1	66.2	99.4
89	52.7	42.8	64.2

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#82

4-Chlorotoluene

Concen: 23.21 ug/l

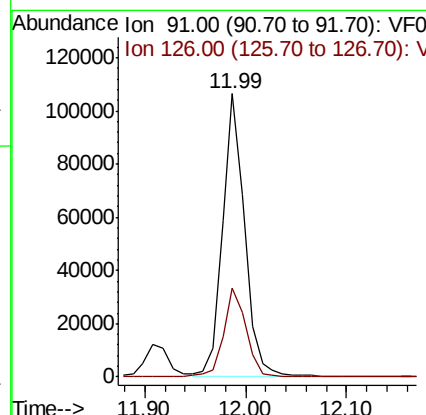
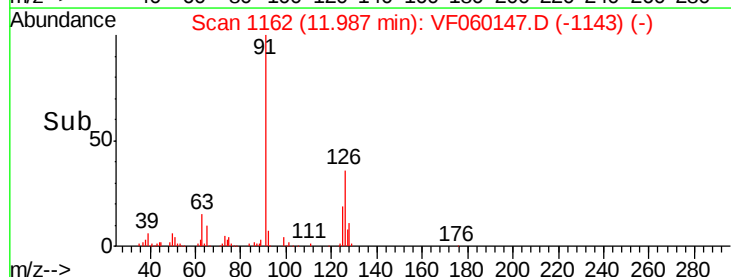
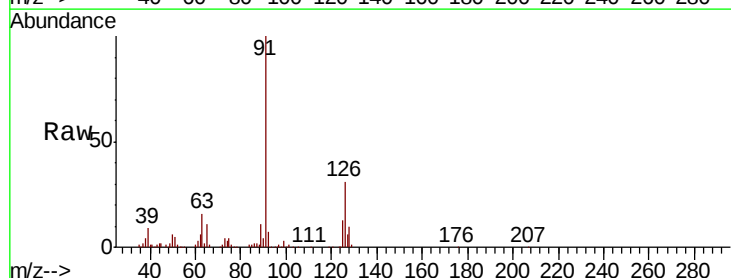
RT: 11.99 min Scan# 1162

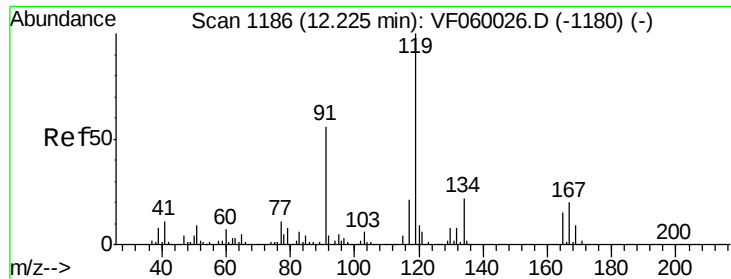
Delta R.T. -0.01 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Tgt Ion:	91	Resp:	161994
Ion	Ratio	Lower	Upper
91	100		
126	31.4	17.0	50.9





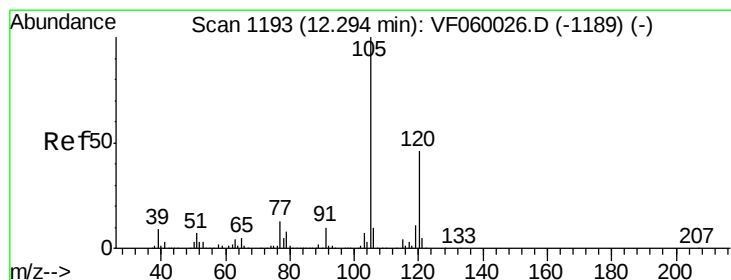
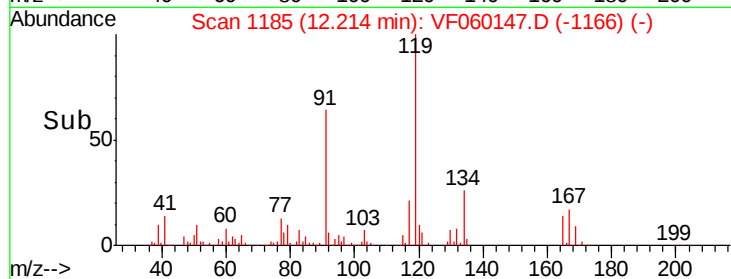
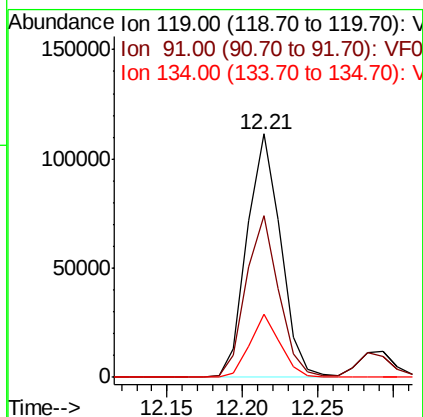
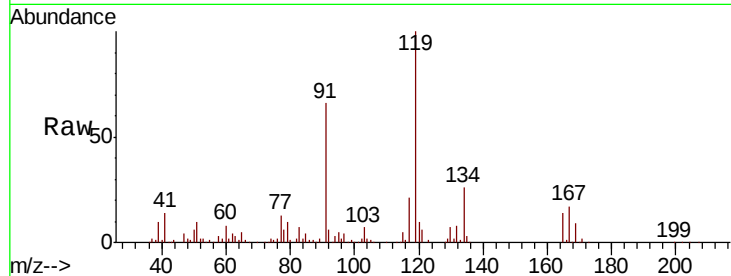
#83
tert-Butylbenzene
Concen: 23.08 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173696		
91	66.3	28.1	84.3	
134	25.9	11.1	33.3	

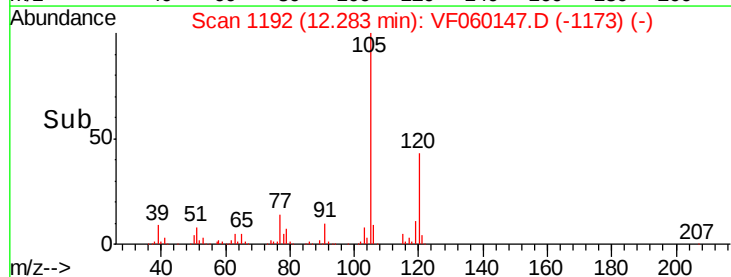
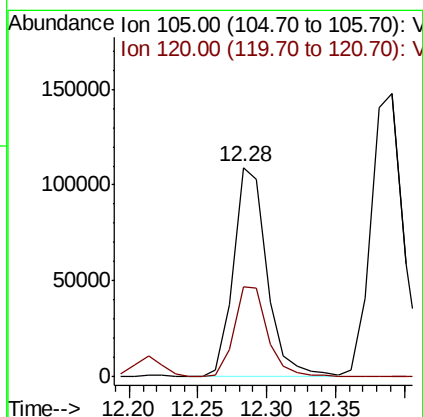
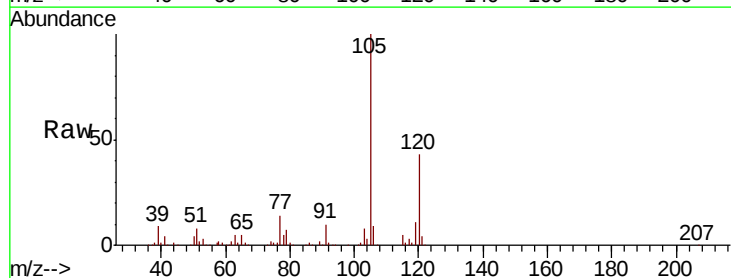
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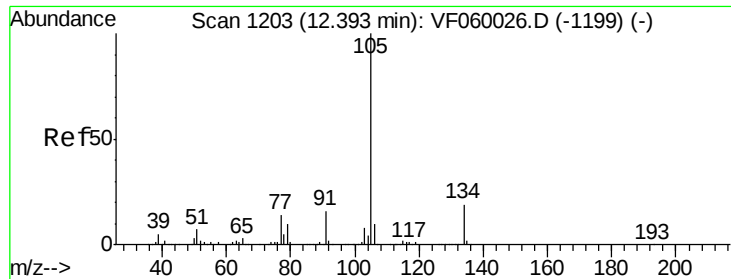
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#84
1,2,4-Trimethylbenzene
Concen: 22.77 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	186790		
120	42.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 23.09 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

Instrument :

MSVOA_F

ClientSampleId :

VF0828SBSD01

Tot Ion:105 Resp: 241875

Ion Ratio Lower Upper

105 100

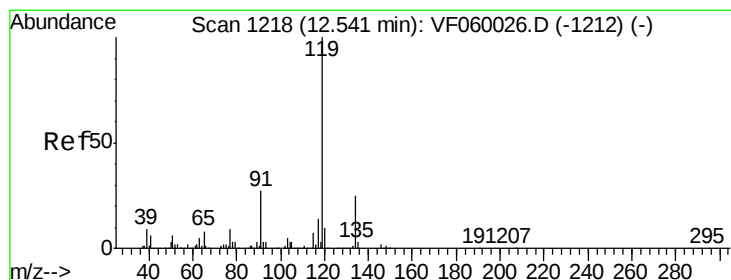
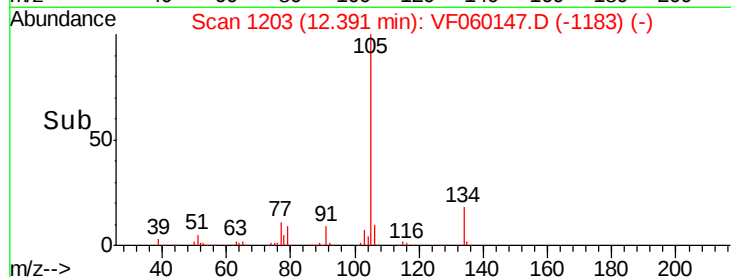
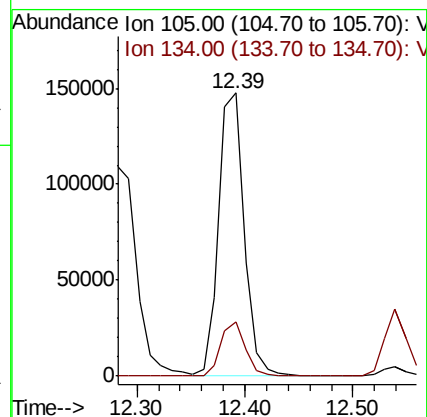
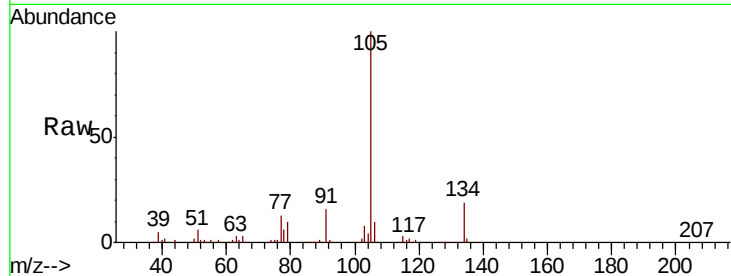
134 19.1 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 23.67 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF060147.D

Acq: 28 Aug 2018 14:00

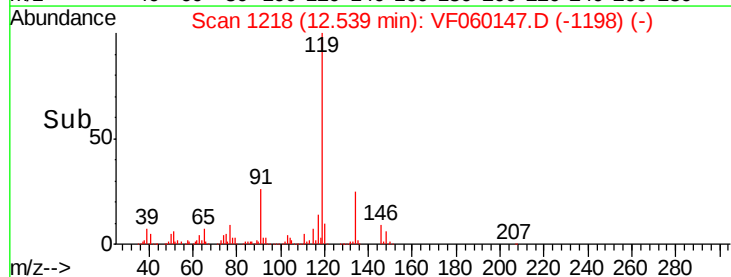
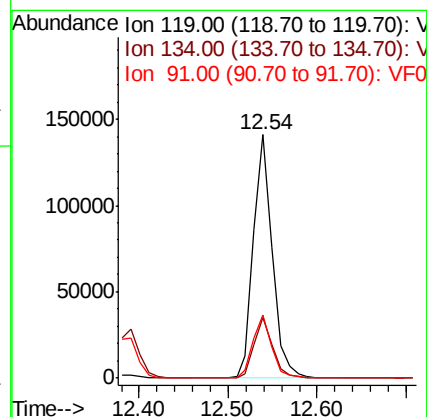
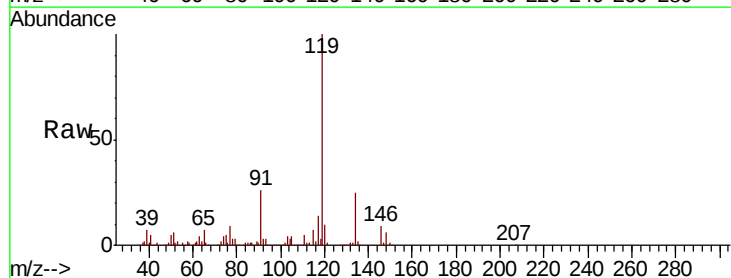
Tgt Ion:119 Resp: 205709

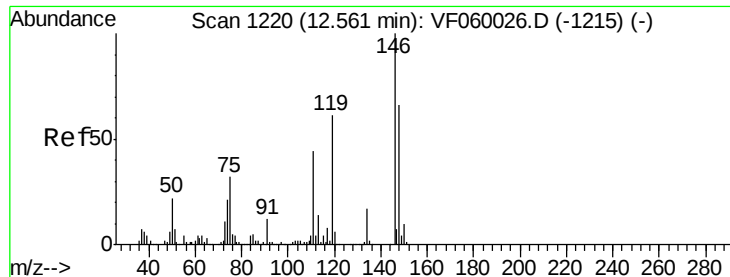
Ion Ratio Lower Upper

119 100

134 24.9 12.4 37.2

91 26.0 13.5 40.4





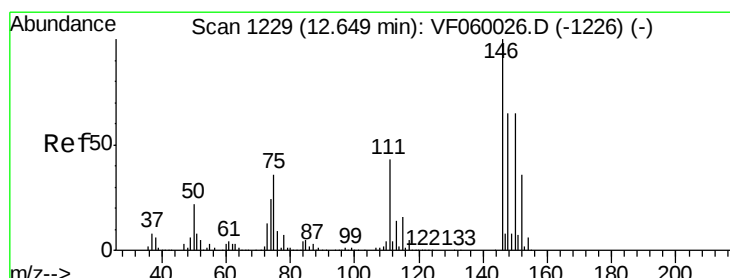
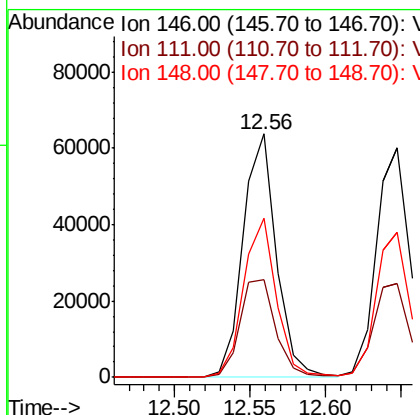
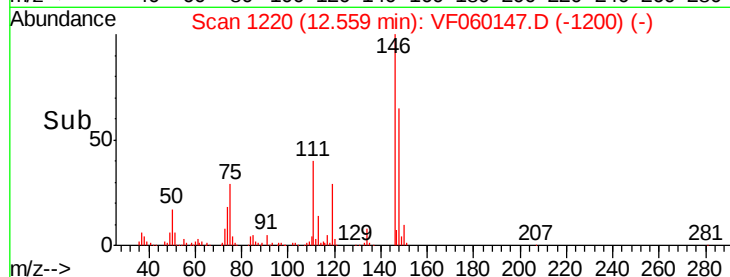
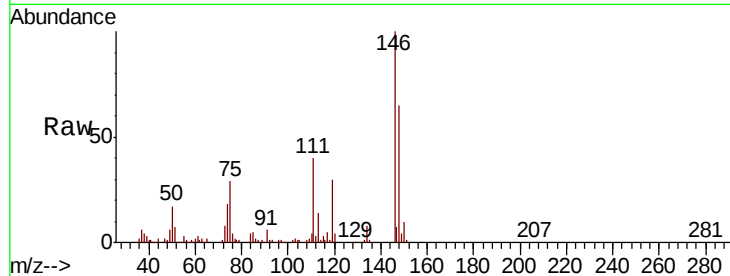
#87
 1,3-Dichlorobenzene
 Concen: 22.00 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.9	65.5
148	65.3	32.9	98.7

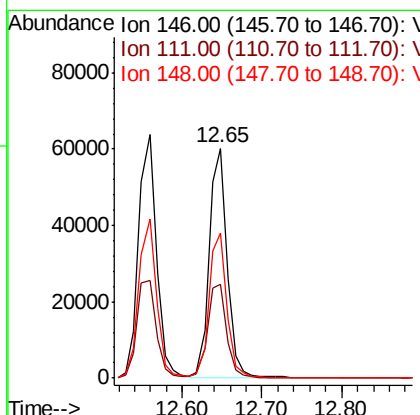
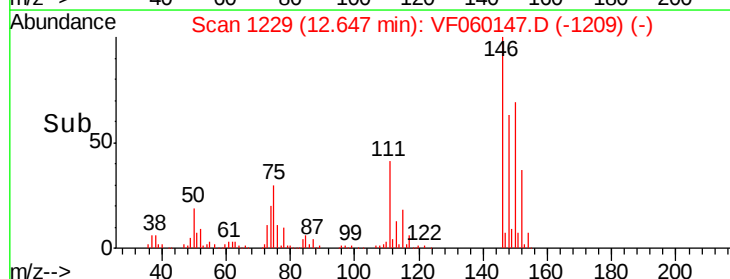
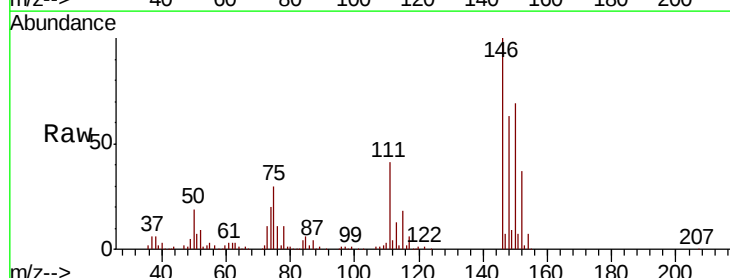
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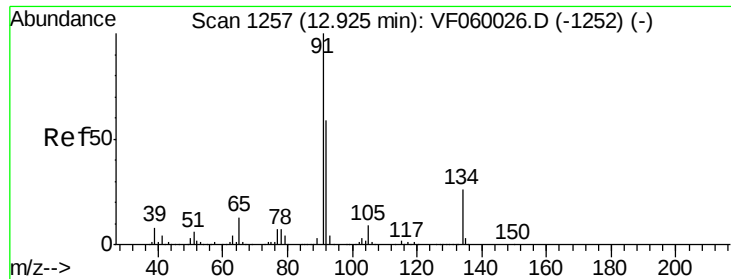
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#88
 1,4-Dichlorobenzene
 Concen: 21.78 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.6	64.8
148	63.3	32.3	96.8





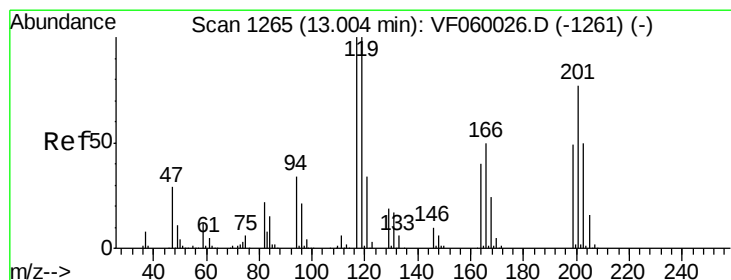
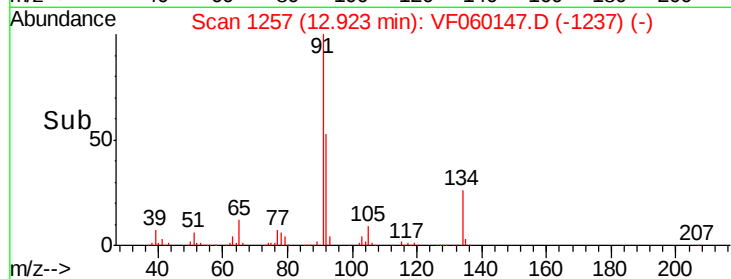
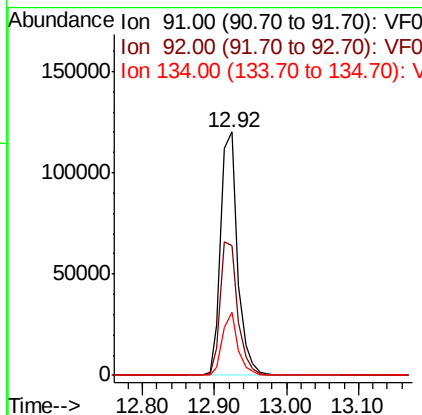
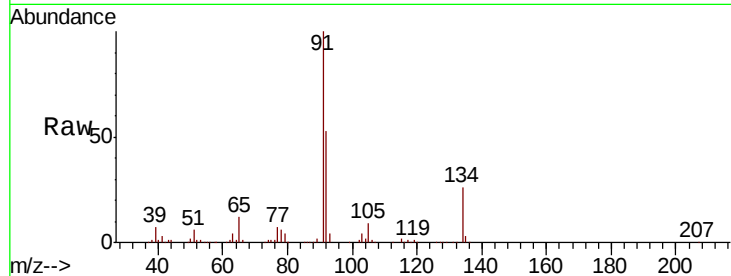
#89
n-Butylbenzene
Concen: 23.04 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	194524		
92	53.4	29.3	87.9	
134	25.7	12.8	38.3	

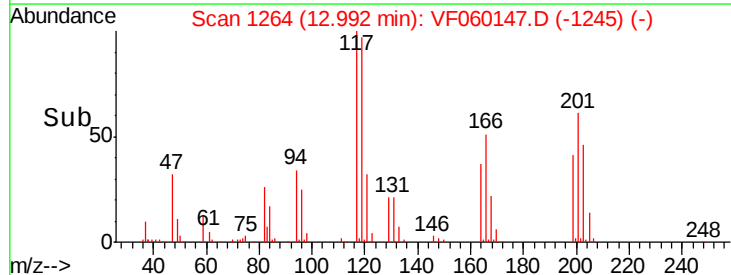
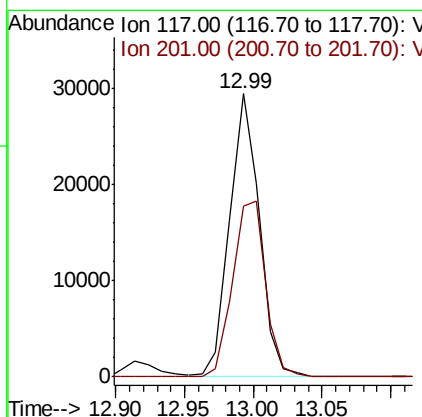
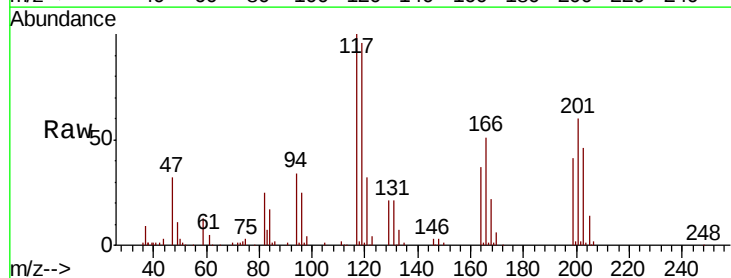
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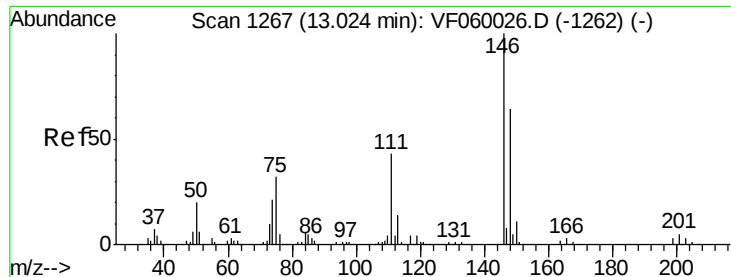
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#90
Hexachloroethane
Concen: 22.72 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44376		
201	60.3	38.6	115.8	





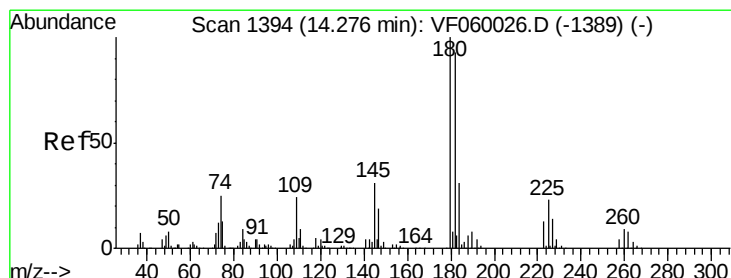
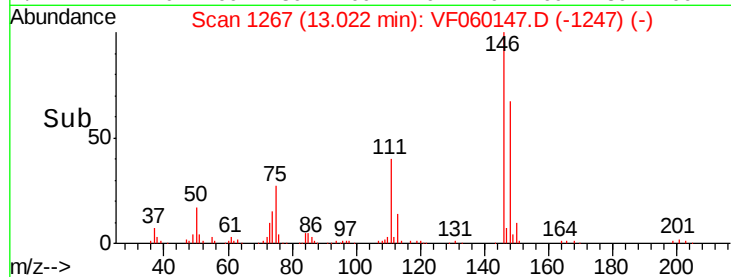
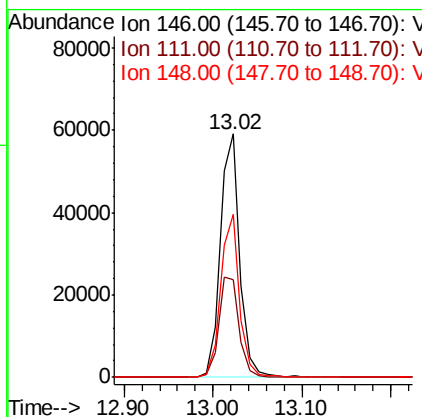
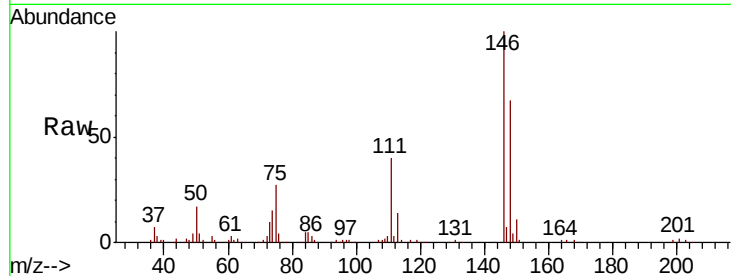
#91
 1,2-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.6	64.6
148	66.9	32.3	96.8

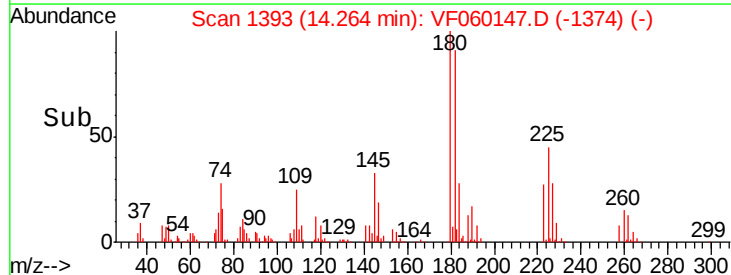
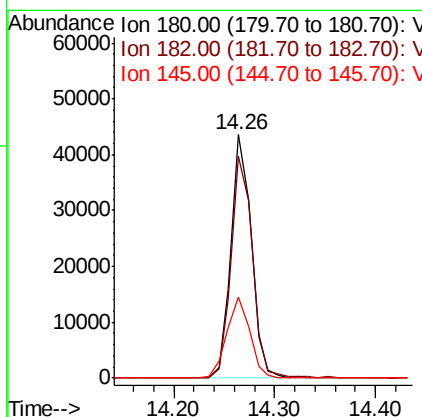
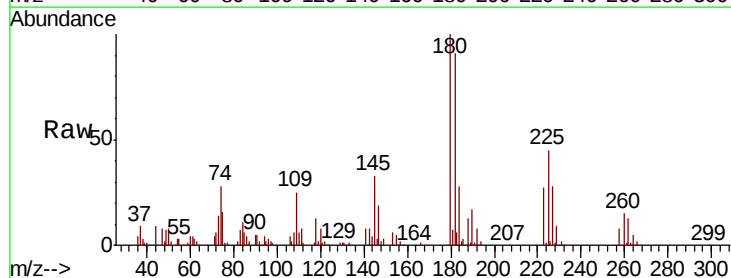
Manual Integrations
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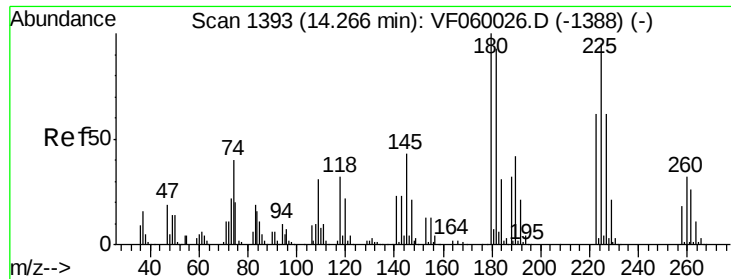
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#93
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.8	140.3
145	33.2	15.4	46.4





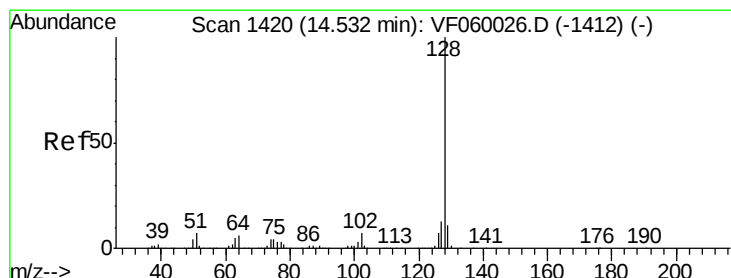
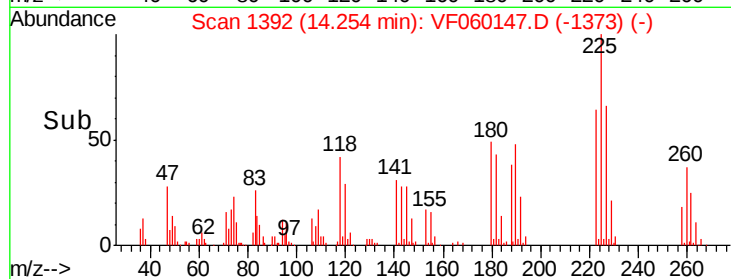
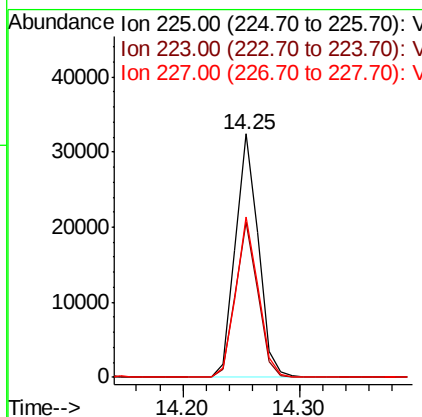
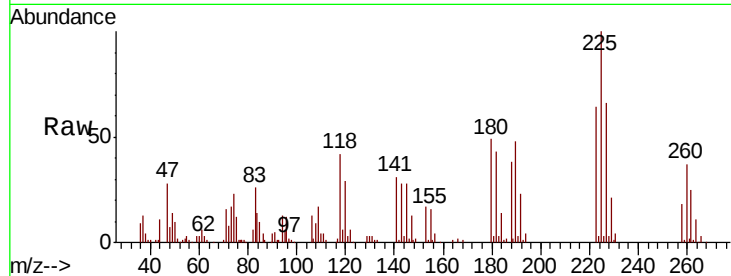
#94
Hexachlorobutadiene
Concen: 22.63 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Instrument :
MSVOA_F
ClientSampleId :
VF0828SBSD01

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.6	97.8
227	65.7	33.0	98.9

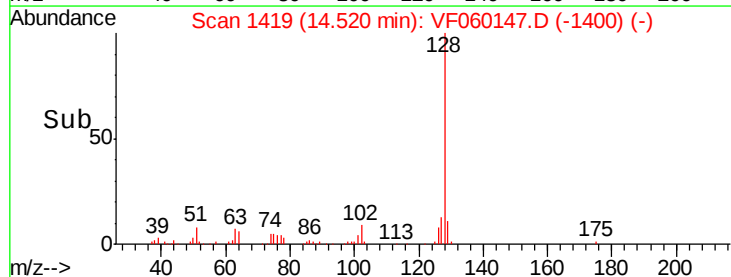
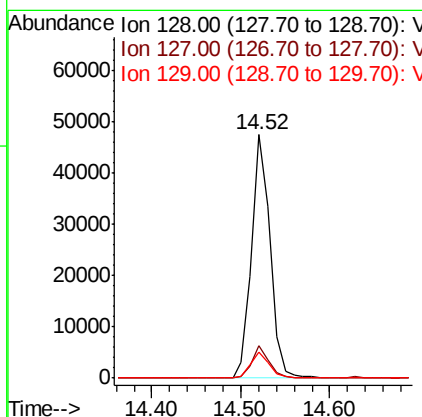
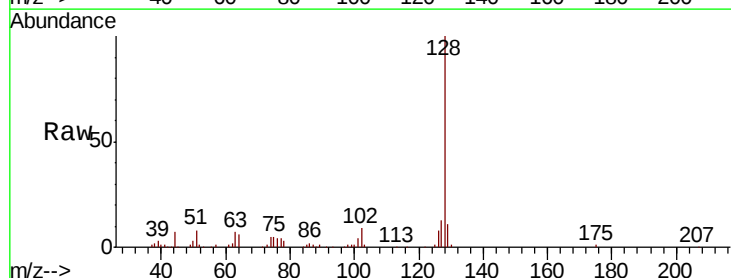
Manual Integrations
APPROVED

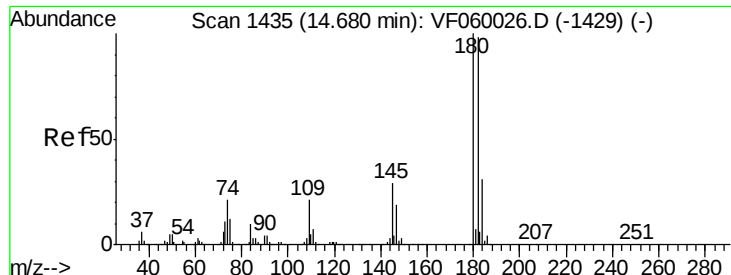
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#95
Naphthalene
Concen: 14.14 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060147.D
Acq: 28 Aug 2018 14:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.5	12.7





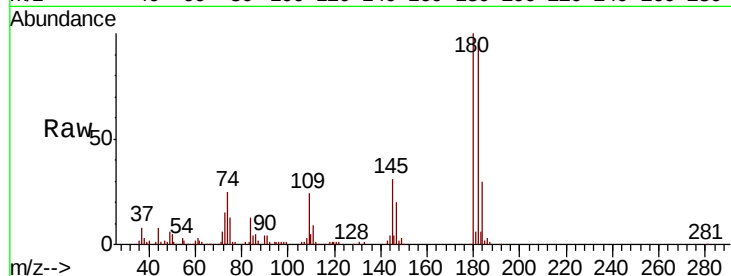
#96
 1,2,3-Trichlorobenzene
 Concen: 18.06 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VF060147.D
 Acq: 28 Aug 2018 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0828SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	49.0	147.2
145	30.9	14.4	43.2

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

