

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062826.D
 Acq On : 3 Jun 2019 14:00
 Operator : FY/SY
 Sample : K3135-01RE
 Misc : 6.36g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ROLL-OFF-COMPRES

Quant Time: Jun 04 08:50:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	3424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	1307	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.86	117	436	50.00	ug/l	-0.07
72) 1,4-Dichlorobenzene-d4	12.62	152	95	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	684	28.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.78%	
35) Dibromofluoromethane	4.31	113	481	48.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	7.68	98	276	11.05	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	22.10%	
62) 4-Bromofluorobenzene	11.44	95	823	91.61	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	183.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.02	85	329	4.580	ug/l #	39
3) Chloromethane	1.19	50	342	9.653	ug/l #	17
4) Vinyl Chloride	1.22	62	518	14.713	ug/l #	79
5) Bromomethane	1.44	94	408	20.321	ug/l	94
6) Chloroethane	1.52	64	591	44.898	ug/l	95
7) Trichlorofluoromethane	1.55	101	202	4.053	ug/l #	16
8) Diethyl Ether	1.69	74	486	49.563	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.94	101	168	5.361	ug/l #	18
10) Methyl Iodide	2.01	142	75	1.194	ug/l #	1
11) Tert butyl alcohol	2.71	59	291	202.881	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	193	6.783	ug/l #	21
13) Acrolein	2.03	56	580	1037.993	ug/l	85
14) Allyl chloride	2.23	41	816	36.966	ug/l #	42
15) Acrylonitrile	3.12	53	460	85.349	ug/l #	1
16) Acetone	2.40	43	483	89.128	ug/l #	53
17) Carbon Disulfide	1.95	76	497	5.976	ug/l #	1
18) Methyl Acetate	2.49	43	522	55.122	ug/l #	47
19) Methyl tert-butyl Ether	2.58	73	783	15.189	ug/l	94
20) Methylene Chloride	2.38	84	179	3.839	ug/l #	55
21) trans-1,2-Dichloroethene	2.44	96	134	4.697	ug/l #	16
22) Diisopropyl ether	2.98	45	837	13.346	ug/l #	10
23) Vinyl Acetate	3.32	43	965	22.476	ug/l #	73
24) 1,1-Dichloroethane	3.08	63	888	18.964	ug/l #	88
25) 2-Butanone	4.51	43	464	36.767	ug/l	91
26) 2,2-Dichloropropane	3.90	77	500	18.806	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	197	4.108	ug/l	32
28) Bromochloromethane	3.92	49	526	20.651	ug/l #	37
29) Tetrahydrofuran	4.27	42	1259	260.835	ug/l #	43
30) Chloroform	4.10	83	371	5.622	ug/l #	15
31) Cyclohexane	3.90	56	574	9.054	ug/l #	4
32) 1,1,1-Trichloroethane	4.35	97	513	13.351	ug/l #	5
36) 1,1-Dichloropropene	4.46	75	641	53.274	ug/l #	39
37) Ethyl Acetate	4.31	43	806	175.238	ug/l #	36
38) Carbon Tetrachloride	4.18	117	303	37.261	ug/l #	53

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	577	38.531	ug/l #	64
40) Benzene	4.86	78	954	27.243	ug/l #	38
41) Methacrylonitrile	4.92	41	406	158.784	ug/l #	4
42) 1,2-Dichloroethane	5.14	62	533	80.028	ug/l #	69
43) Isopropyl Acetate	7.11	43	1338	220.213	ug/l #	93
44) Trichloroethene	5.66	130	293	29.647	ug/l #	3
45) 1,2-Dichloropropane	6.39	63	94	10.697	ug/l #	44
46) Dibromomethane	6.24	93	280	54.575	ug/l #	37
47) Bromodichloromethane	6.58	83	101	9.666	ug/l #	23
48) Methyl methacrylate	6.84	41	582	185.864	ug/l #	38
49) 1,4-Dioxane	6.46	88	380	9206.696	ug/l #	94
51) 4-Methyl-2-Pentanone	8.38	43	1677	386.597	ug/l #	62
52) Toluene	7.69	92	95	5.037	ug/l #	88
53) t-1,3-Dichloropropene	8.39	75	414	47.815	ug/l #	43
54) cis-1,3-Dichloropropene	7.44	75	92	7.341	ug/l #	1
55) 1,1,2-Trichloroethane	8.59	97	89	15.795	ug/l #	52
56) Ethyl methacrylate	8.71	69	443	73.273	ug/l #	32
57) 1,3-Dichloropropane	8.88	76	358	38.906	ug/l #	95
58) 2-Chloroethyl Vinyl ether	7.45	63	583	275.915	ug/l #	51
59) 2-Hexanone	9.51	43	430	139.074	ug/l #	100
60) Dibromochloromethane	8.82	129	162	23.222	ug/l #	12
61) 1,2-Dibromoethane	9.12	107	97	16.576	ug/l #	97
64) Tetrachloroethene	8.38	164	85	25.370	ug/l #	1
65) Chlorobenzene	9.96	112	181	21.497	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	66	19.682	ug/l #	1
67) Ethyl Benzene	10.06	91	138	9.551	ug/l #	42
68) m/p-Xylenes	10.31	106	113	20.438	ug/l #	95
69) o-Xylene	10.79	106	148	26.438	ug/l #	56
70) Styrene	10.90	104	259	31.390	ug/l #	1
71) Bromoform	10.89	173	101	62.787	ug/l #	28
73) Isopropylbenzene	11.24	105	163	24.590	ug/l #	44
74) N-amyl acetate	11.43	43	2362	1264.280	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	11.78	83	78	55.101	ug/l #	1
76) 1,2,3-Trichloropropane	11.95	75	282	300.536	ug/l #	68
77) Bromobenzene	11.62	156	69	41.428	ug/l #	1
78) n-propylbenzene	11.68	91	819	102.327	ug/l #	83
79) 2-Chlorotoluene	11.80	91	160	34.937	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.92	105	94	17.340	ug/l #	87
81) trans-1,4-Dichloro-2-buten	11.95	75	282	709.867	ug/l #	64
82) 4-Chlorotoluene	12.09	91	334	74.211	ug/l #	98
83) tert-Butylbenzene	12.23	119	245	45.612	ug/l #	40
84) 1,2,4-Trimethylbenzene	12.35	105	439	85.413	ug/l #	84
85) sec-Butylbenzene	12.35	105	439	62.024	ug/l #	55
86) p-Isopropyltoluene	12.54	119	334	56.693	ug/l #	48
87) 1,3-Dichlorobenzene	12.53	146	145	49.365	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	82	29.913	ug/l #	23
89) n-Butylbenzene	12.88	91	85	14.343	ug/l #	24
90) Hexachloroethane	12.98	117	262	182.340	ug/l #	10
91) 1,2-Dichlorobenzene	12.98	146	210	81.340	ug/l #	31
92) 1,2-Dibromo-3-Chloropropan	13.68	75	148	959.652	ug/l #	1

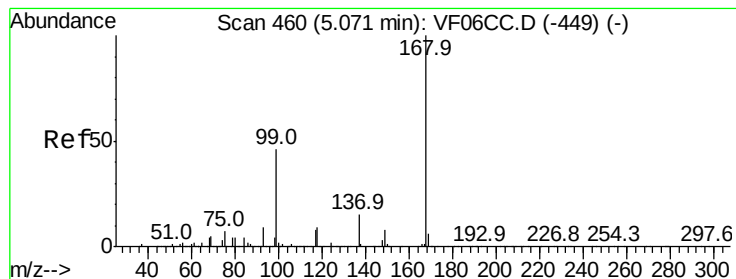
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	66	37.232	ug/l #	10
94) Hexachlorobutadiene	14.24	225	92	75.020	ug/l #	19
95) Naphthalene	14.50	128	66	22.726	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.66	180	76	46.968	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

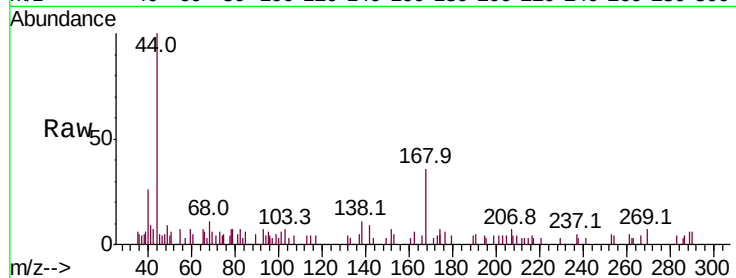
ROLL-OFF-COMPRESS

Tot Ion:168 Resp: 3424

Ion Ratio Lower Upper

168 100

99 12.6 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): VF06CC.D (-449) (-)

Ion 99.00 (98.70 to 99.70): VF06CC.D (-449) (-)

5.07

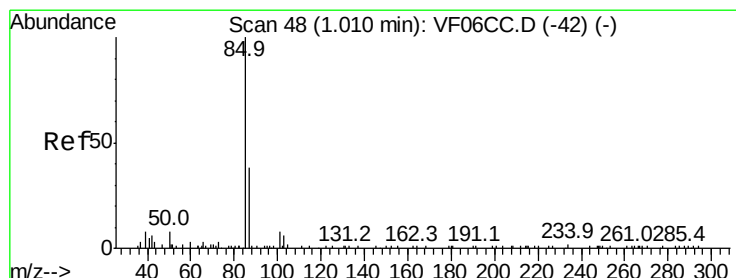
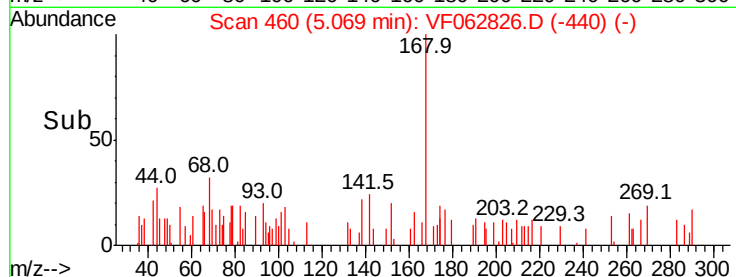
1500

1000

500

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.580 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062826.D

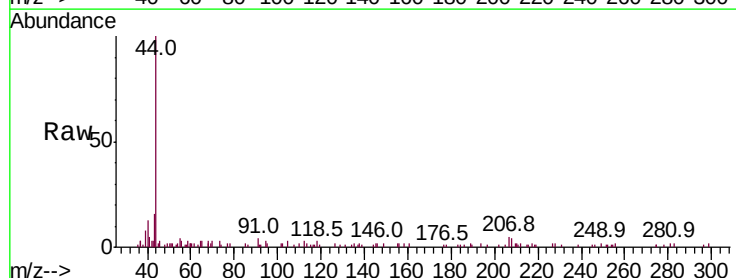
Acq: 3 Jun 2019 14:00

Tgt Ion: 85 Resp: 329

Ion Ratio Lower Upper

85 100

87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF06CC.D (-42) (-)

Ion 87.00 (86.70 to 87.70): VF06CC.D (-42) (-)

1.02

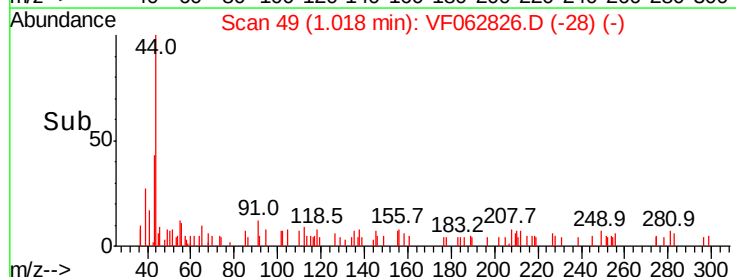
300

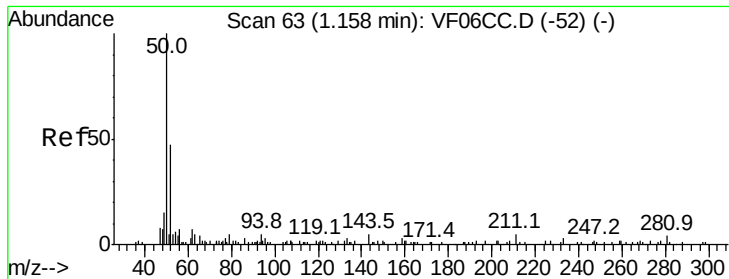
200

100

0

Time-->





#3

Chloromethane

Concen: 9.653 ug/l

RT: 1.19 min Scan# 66

Delta R.T. 0.04 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

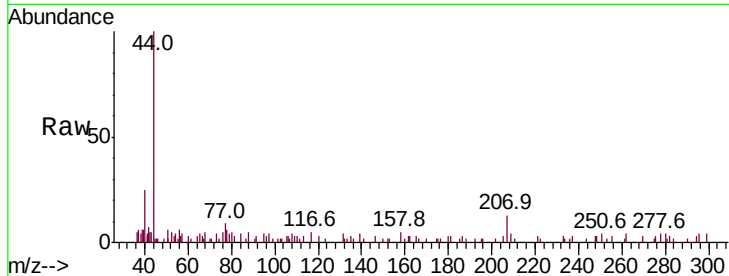
ROLL-OFF-COMPRESS

Tot Ion: 50 Resp: 342

Ion Ratio Lower Upper

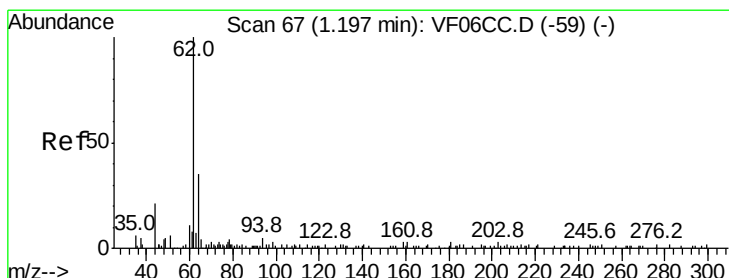
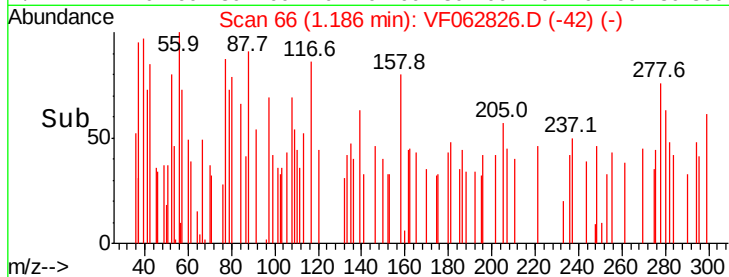
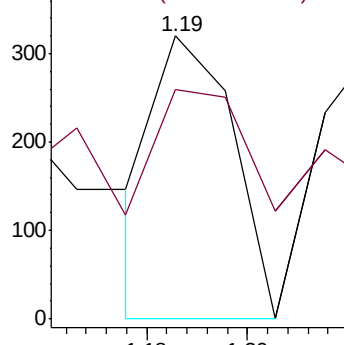
50 100

52 80.9 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 14.713 ug/l

RT: 1.22 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF062826.D

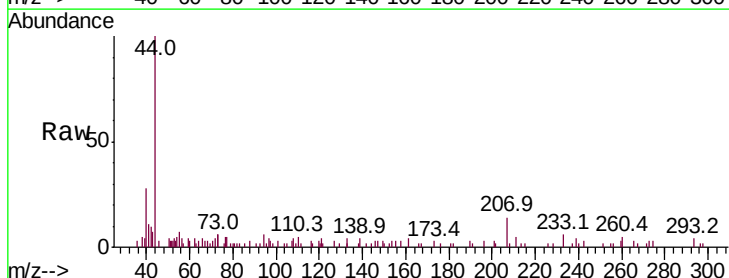
Acq: 3 Jun 2019 14:00

Tgt Ion: 62 Resp: 518

Ion Ratio Lower Upper

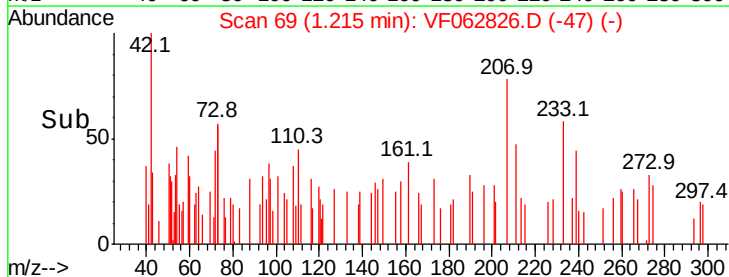
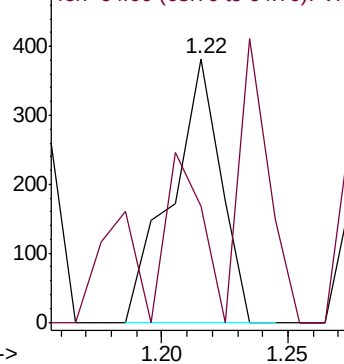
62 100

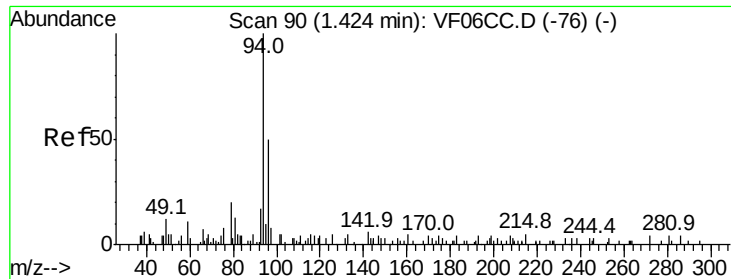
64 44.2 26.2 39.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.321 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.04 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

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ClientSampleId :

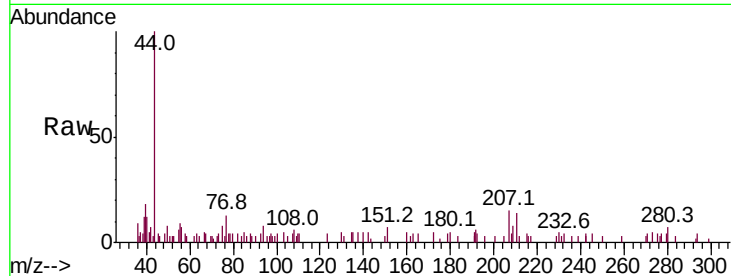
ROLL-OFF-COMP

Tot Ion: 94 Resp: 408

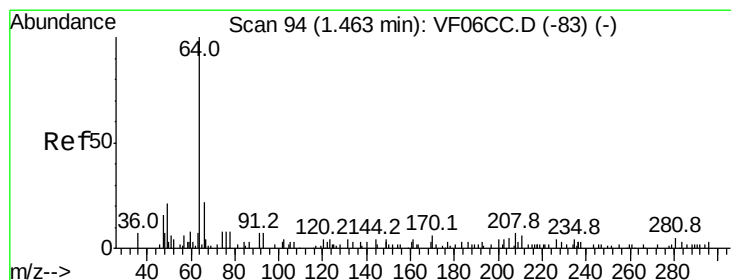
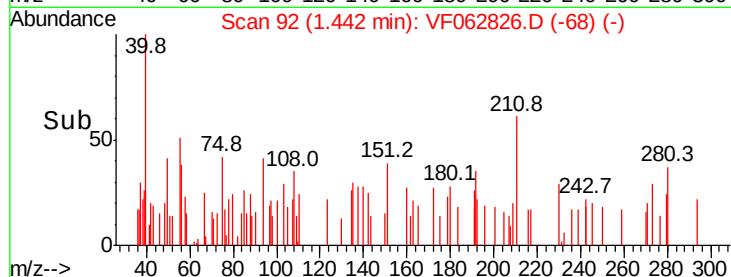
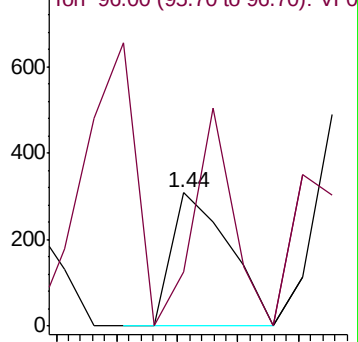
Ion Ratio Lower Upper

94 100

96 86.4 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VF0



#6

Chloroethane

Concen: 44.898 ug/l

RT: 1.52 min Scan# 100

Delta R.T. 0.06 min

Lab File: VF062826.D

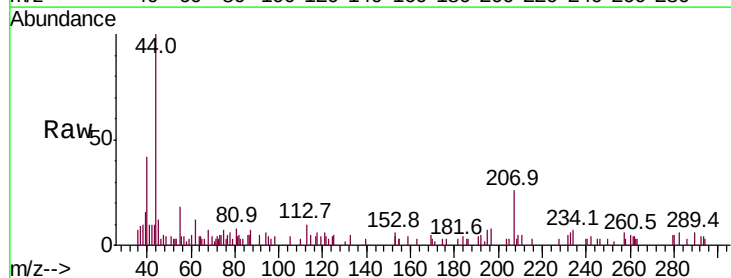
Acq: 3 Jun 2019 14:00

Tgt Ion: 64 Resp: 591

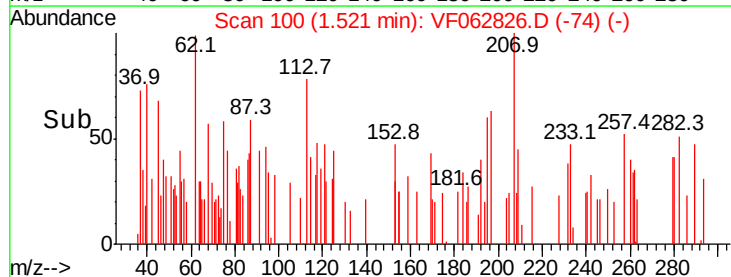
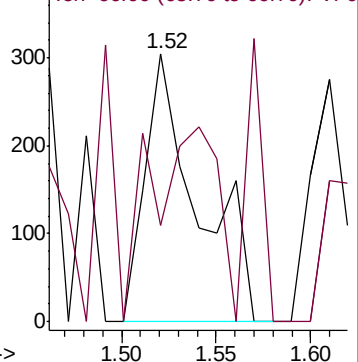
Ion Ratio Lower Upper

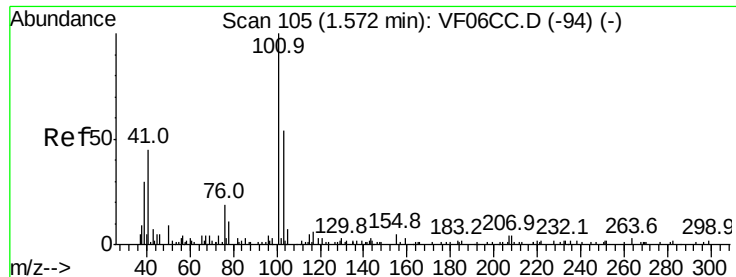
64 100

66 35.7 31.0 46.4



Abundance Ion 64.00 (63.70 to 64.70): VF0





#7

Trichlorofluoromethane

Concen: 4.053 ug/l

RT: 1.55 min Scan# 103

Delta R.T. -0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

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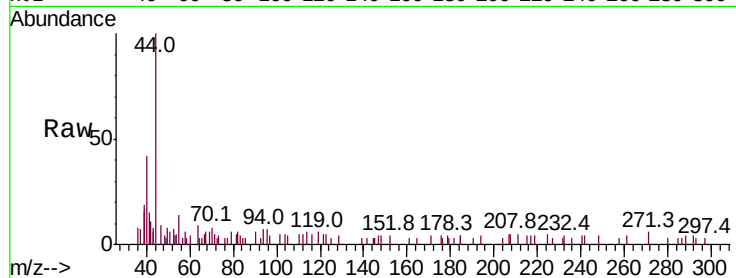
ROLL-OFF-COMPRESS

Tot Ion:101 Resp: 202

Ion Ratio Lower Upper

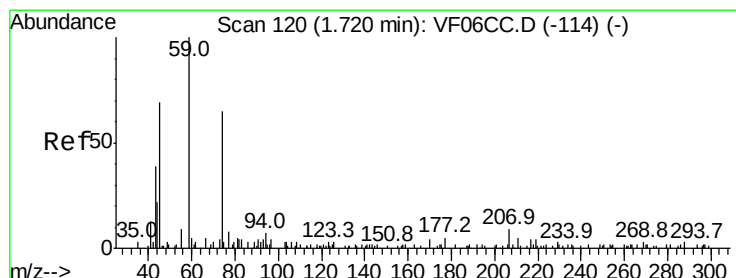
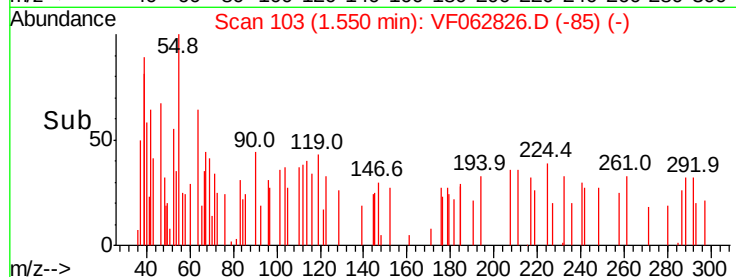
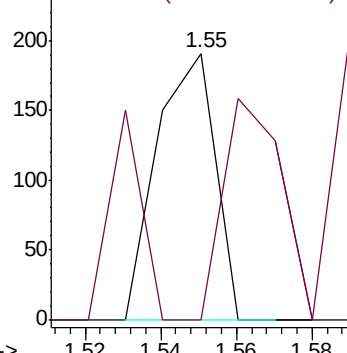
101 100

103 0.0 54.6 82.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.563 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.03 min

Lab File: VF062826.D

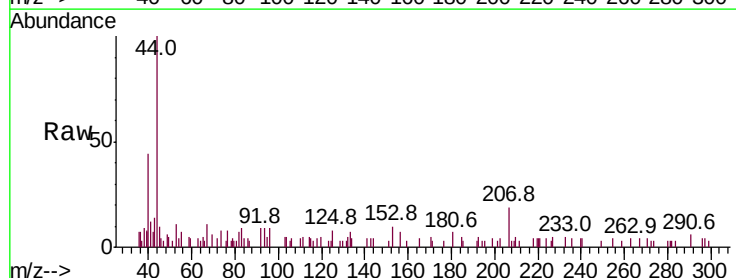
Acq: 3 Jun 2019 14:00

Tgt Ion: 74 Resp: 486

Ion Ratio Lower Upper

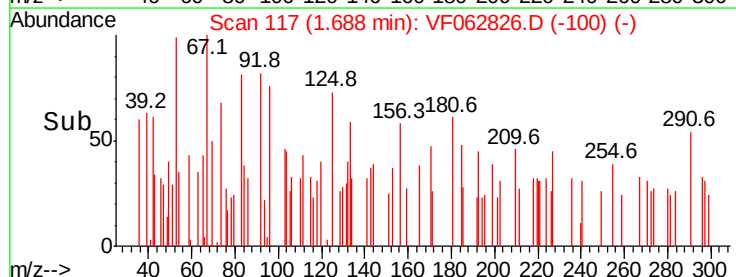
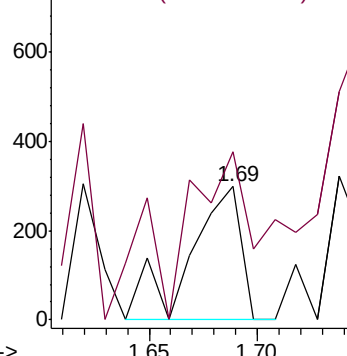
74 100

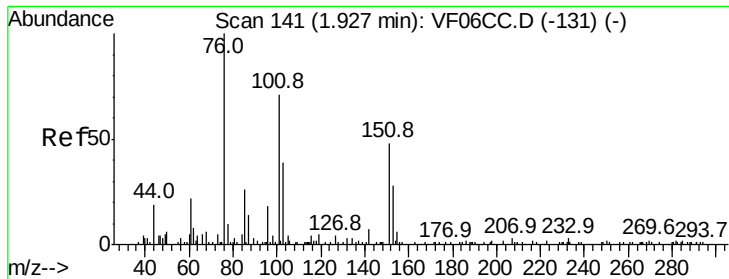
45 126.8 47.5 142.5



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: 5.361 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMPRESS

Tot Ion:101 Resp: 168

Ion Ratio Lower Upper

101 100

85 93.5 37.1 55.7#

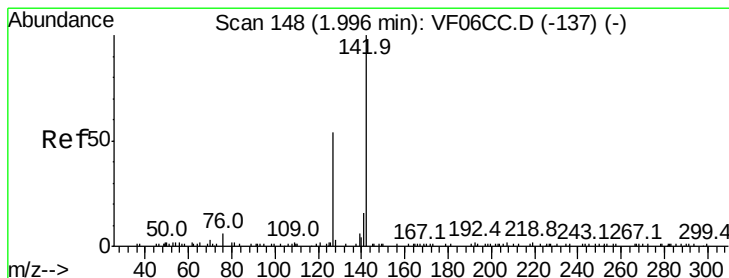
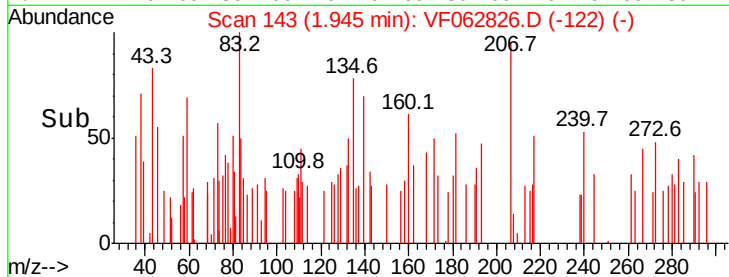
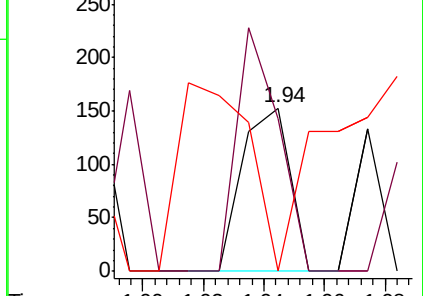
151 0.0 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 1.194 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

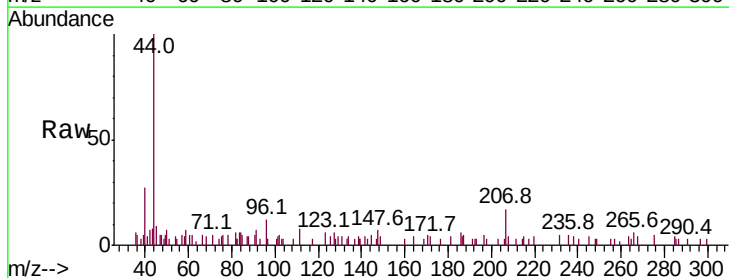
Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

142 100

127 302.4 39.4 59.2#

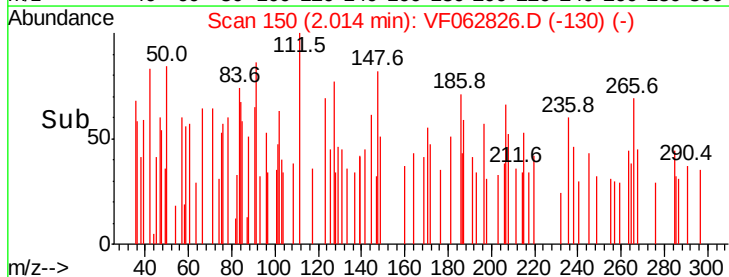
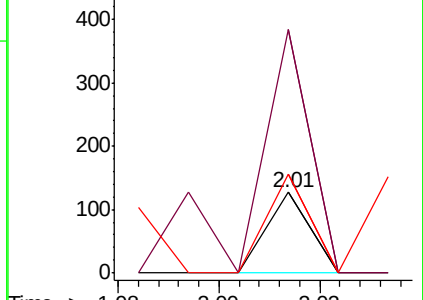
141 122.8 10.6 15.8#

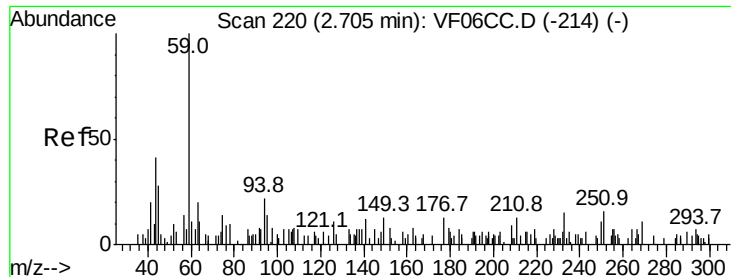


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



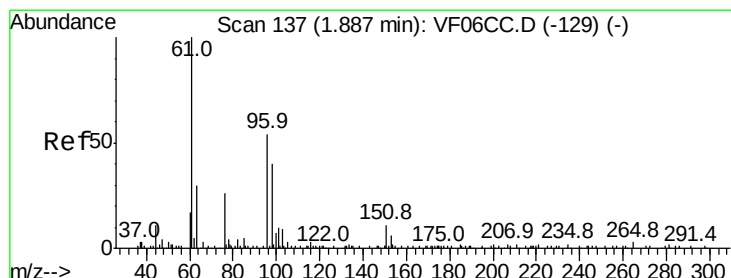
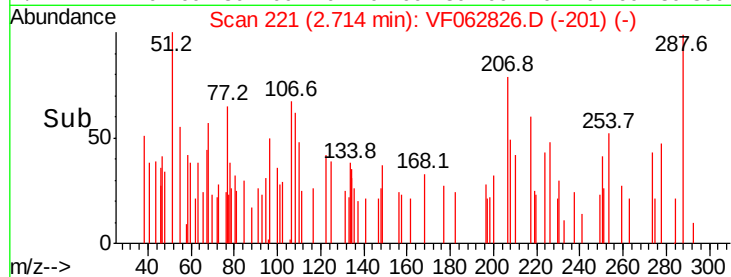
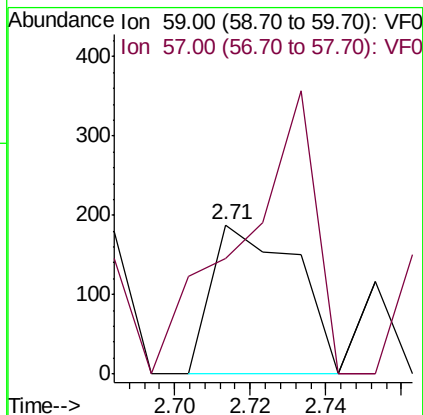
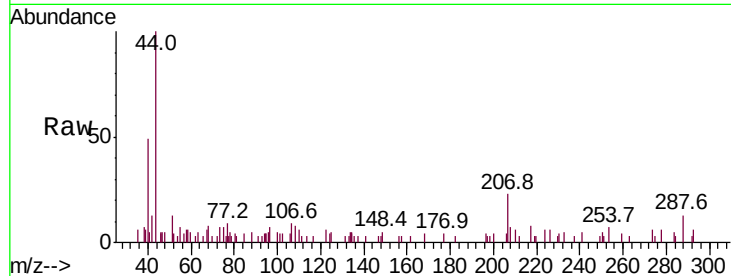


#11

Tert butyl alcohol
 Concen: 202.881 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

Instrument :
 MSVOA_F
 ClientSampleId :
 ROLL-OFF-COMP

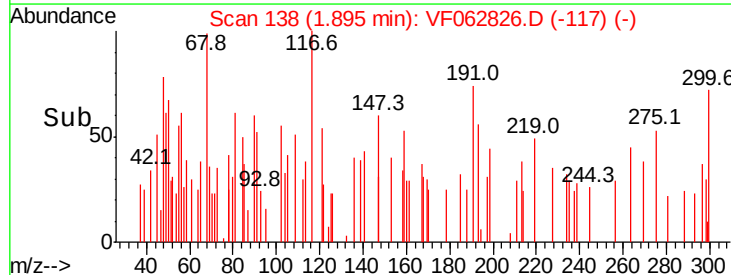
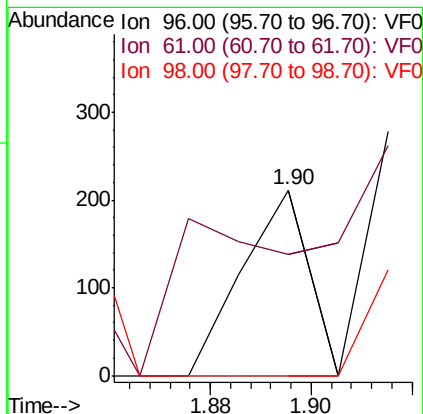
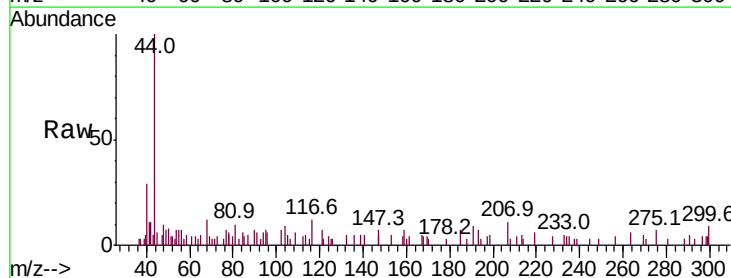
Tot Ion: 59 Resp: 291
 Ion Ratio Lower Upper
 59 100
 57 77.7 9.2 13.8#

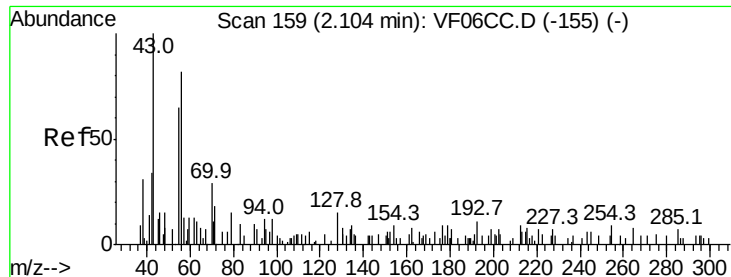


#12

1,1-Dichloroethene
 Concen: 6.783 ug/l
 RT: 1.90 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

Tgt Ion: 96 Resp: 193
 Ion Ratio Lower Upper
 96 100
 61 65.4 139.4 209.2#
 98 0.0 50.3 75.5#

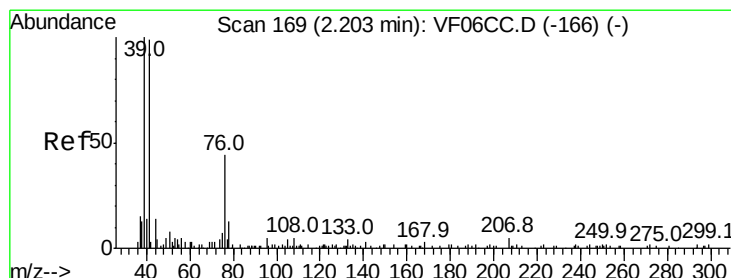
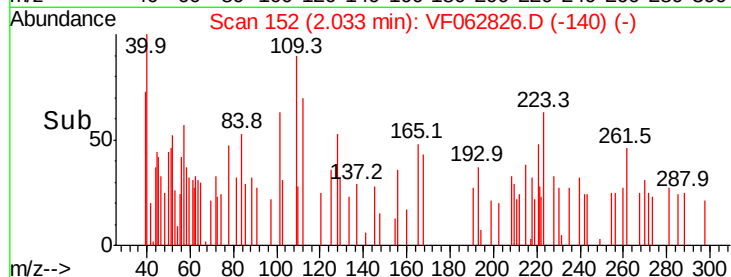
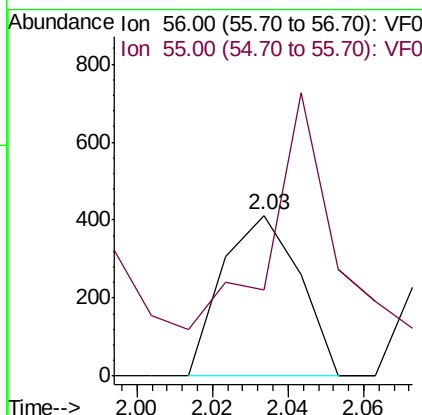
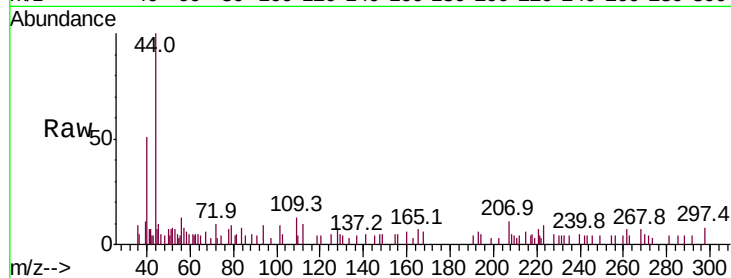




#13
Acrolein
Concen: 1037.993 ug/l
RT: 2.03 min Scan# 152
Delta R.T. -0.08 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

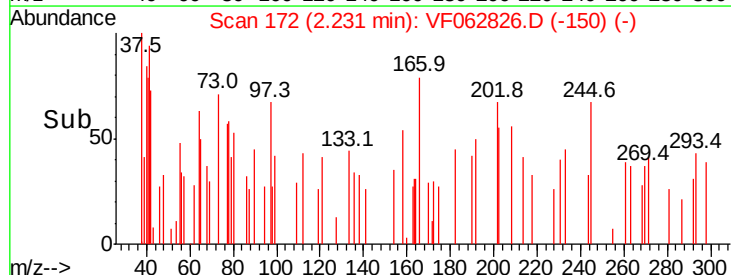
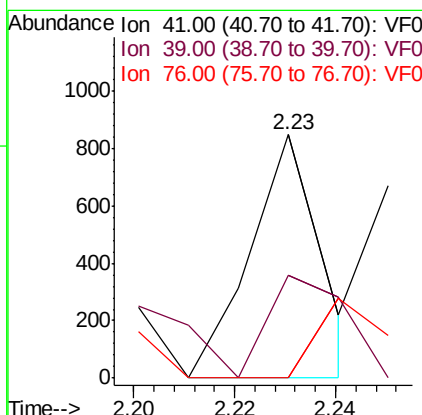
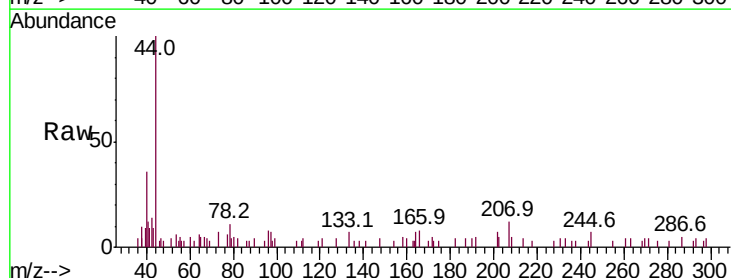
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

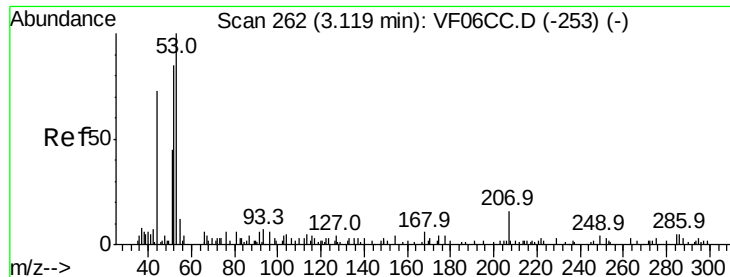
Tot Ion: 56 Resp: 580
Ion Ratio Lower Upper
56 100
55 53.9 52.9 79.3



#14
Allyl chloride
Concen: 36.966 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 41 Resp: 816
Ion Ratio Lower Upper
41 100
39 42.4 71.9 107.9#
76 0.0 39.6 59.4#





#15

Acrylonitrile

Concen: 85.349 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

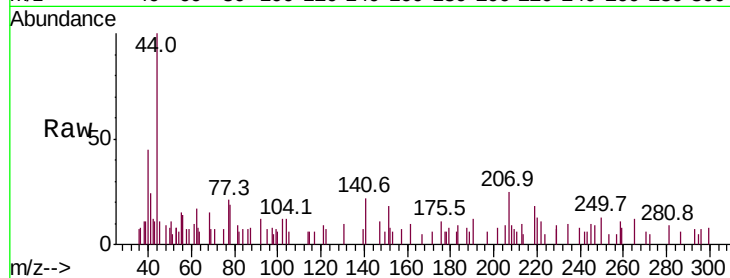
Tot Ion: 53 Resp: 460

Ion Ratio Lower Upper

53 100

52 0.0 68.1 102.1#

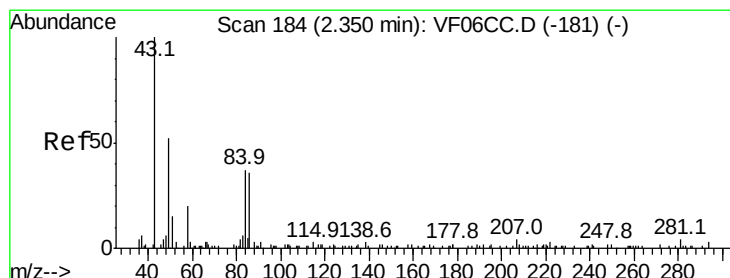
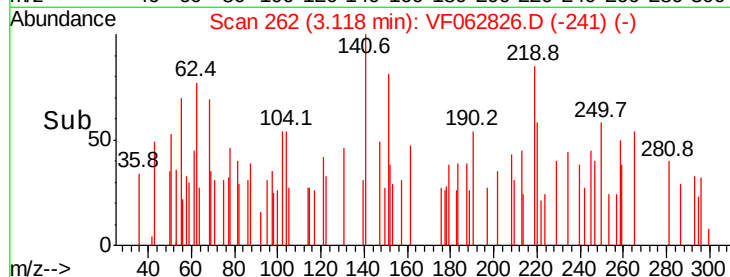
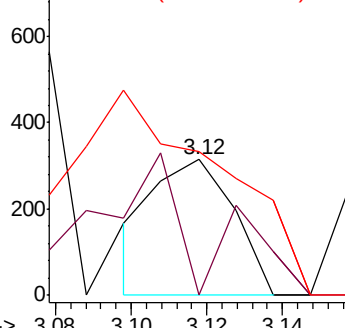
51 106.1 27.7 41.5#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 89.128 ug/l

RT: 2.40 min Scan# 189

Delta R.T. 0.04 min

Lab File: VF062826.D

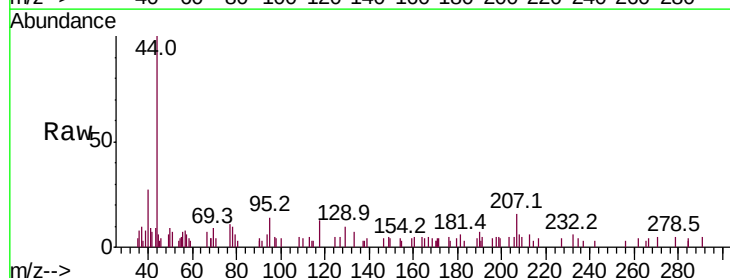
Acq: 3 Jun 2019 14:00

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

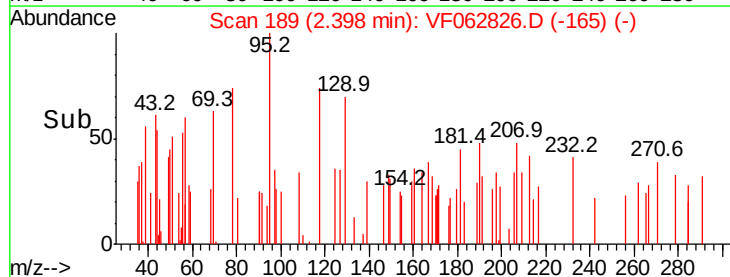
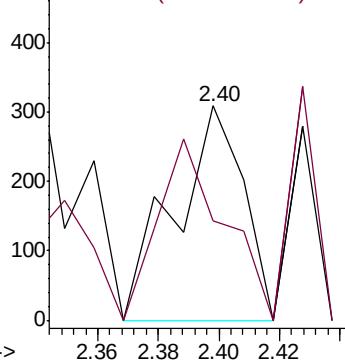
43 100

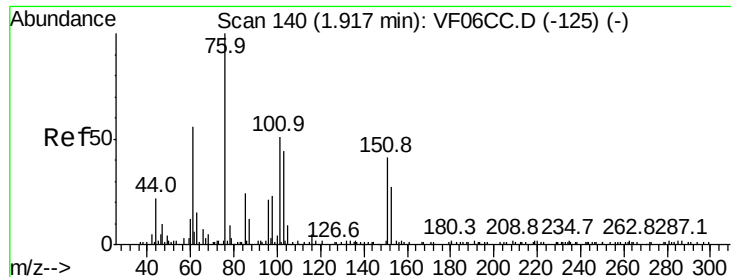
58 46.6 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

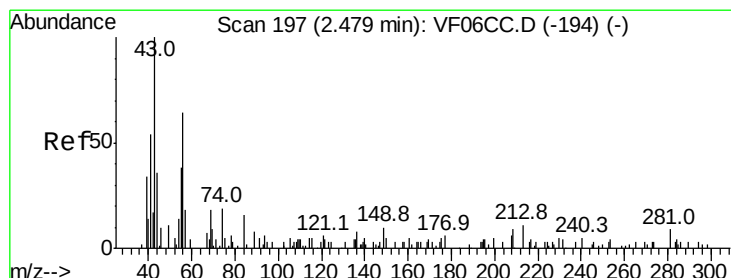
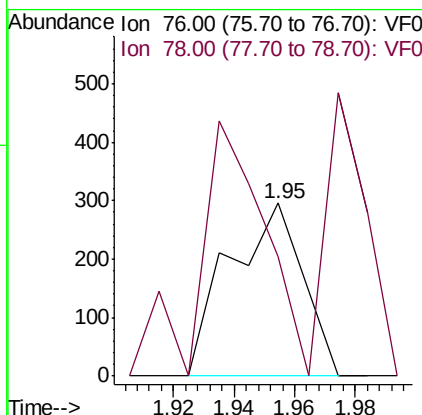
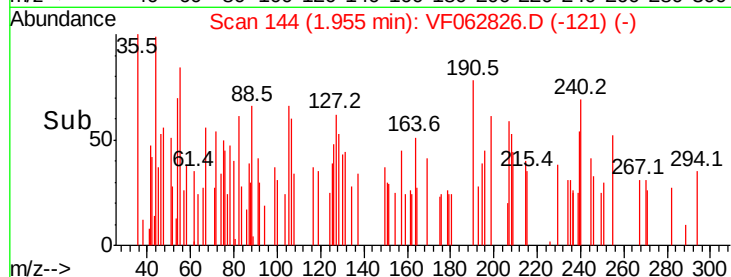
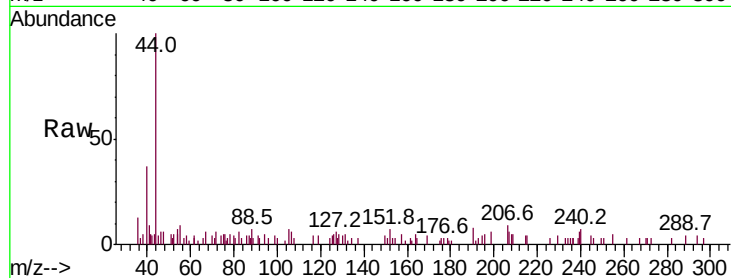




#17
Carbon Disulfide
Concen: 5.976 ug/l
RT: 1.95 min Scan# 144
Delta R.T. 0.03 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

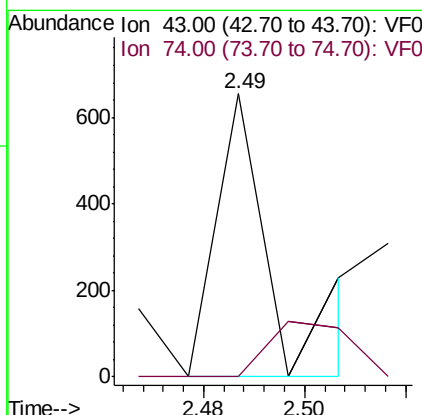
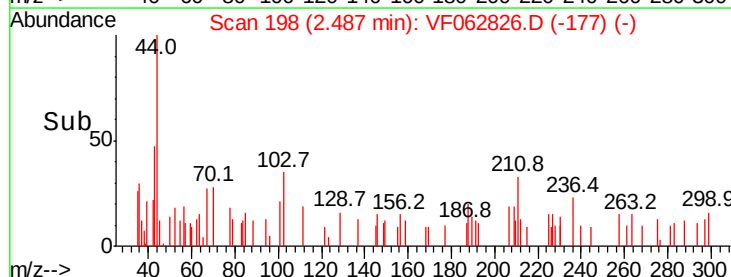
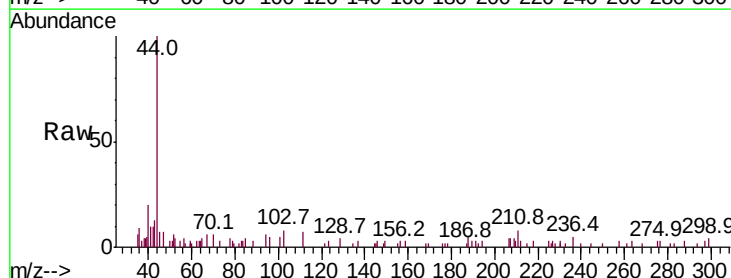
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

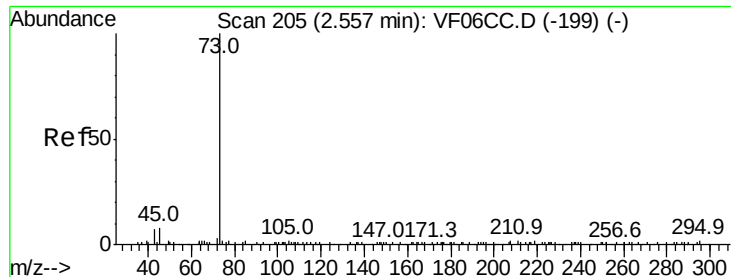
Tot Ion: 76 Resp: 497
Ion Ratio Lower Upper
76 100
78 68.9 9.4 14.2#



#18
Methyl Acetate
Concen: 55.122 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#

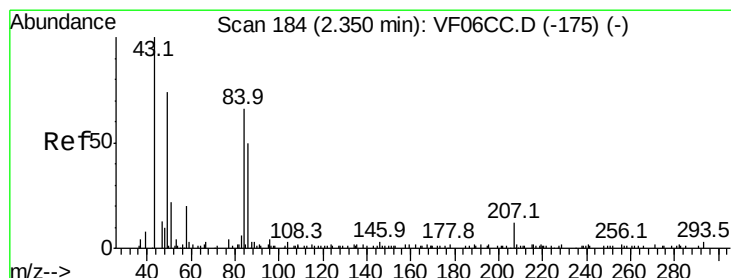
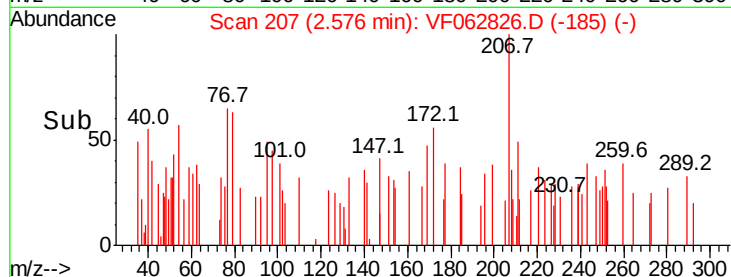
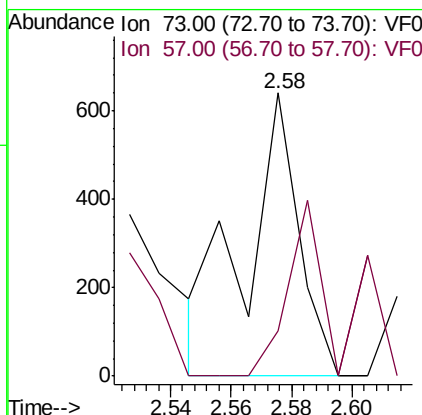
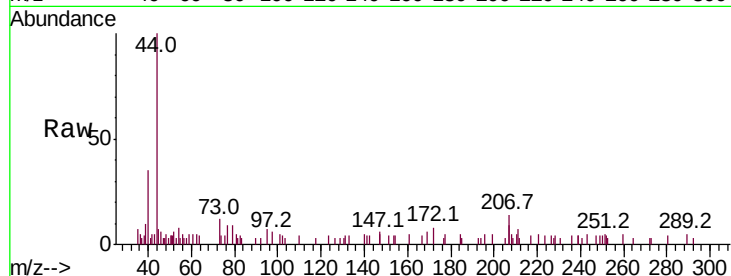




#19
Methyl tert-butyl Ether
Concen: 15.189 ug/l
RT: 2.58 min Scan# 207
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

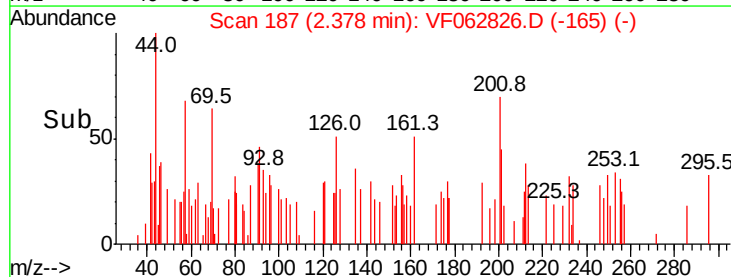
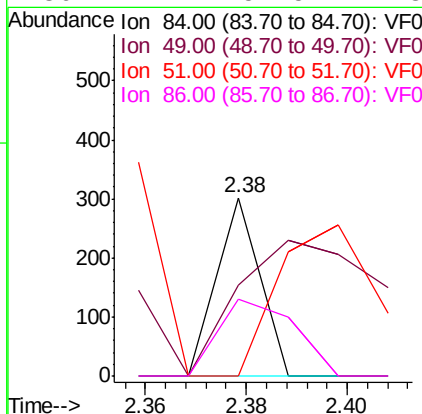
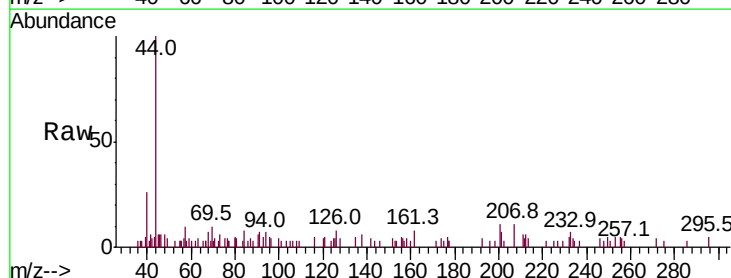
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

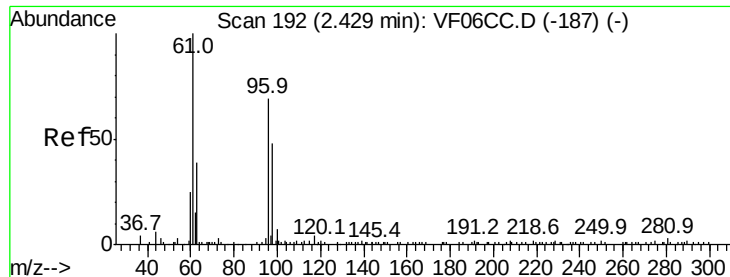
Tot Ion: 73 Resp: 783
Ion Ratio Lower Upper
73 100
57 16.1 15.1 22.7



#20
Methylene Chloride
Concen: 3.839 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 84 Resp: 179
Ion Ratio Lower Upper
84 100
49 50.7 82.6 123.8#
51 0.0 25.0 37.4#
86 42.7 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 4.697 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

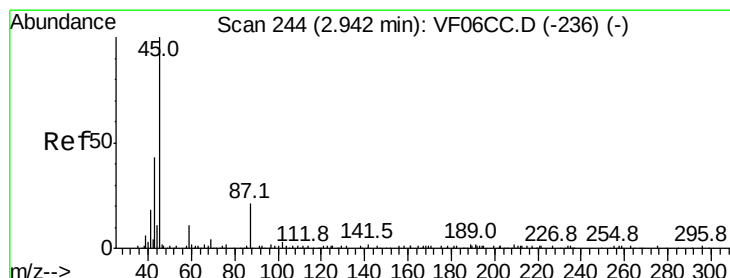
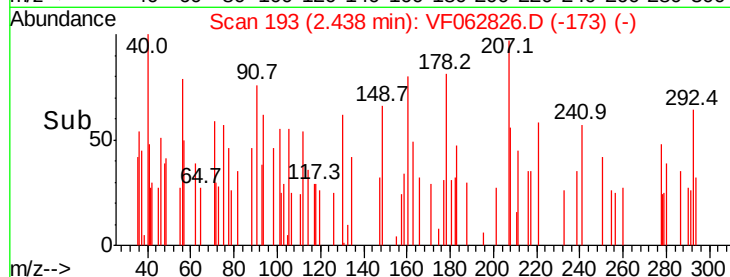
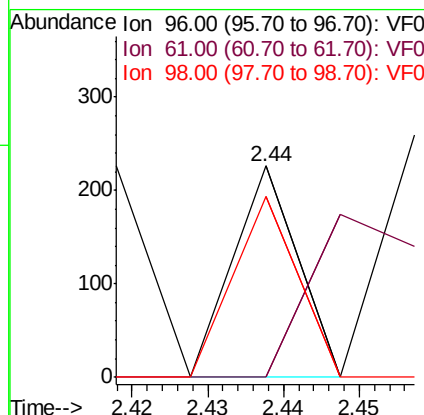
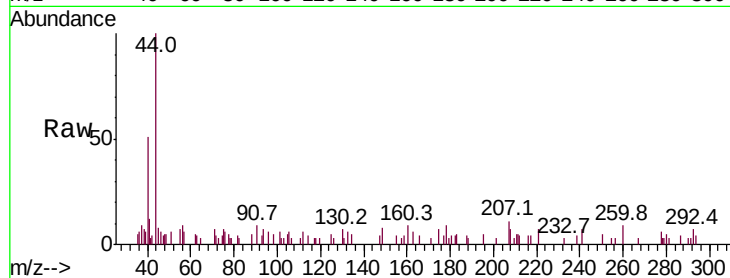
Tot Ion: 96 Resp: 134

Ion Ratio Lower Upper

96 100

61 0.0 105.0 157.6#

98 85.4 51.1 76.7#



#22

Diisopropyl ether

Concen: 13.346 ug/l

RT: 2.98 min Scan# 248

Delta R.T. 0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Tgt Ion: 45 Resp: 837

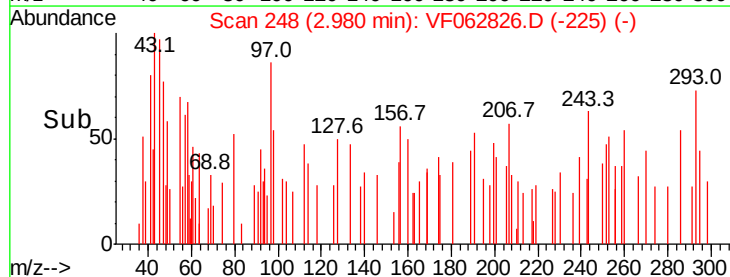
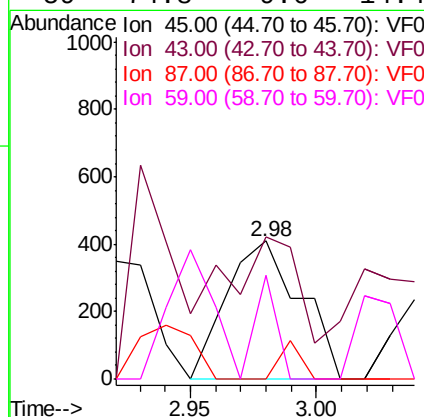
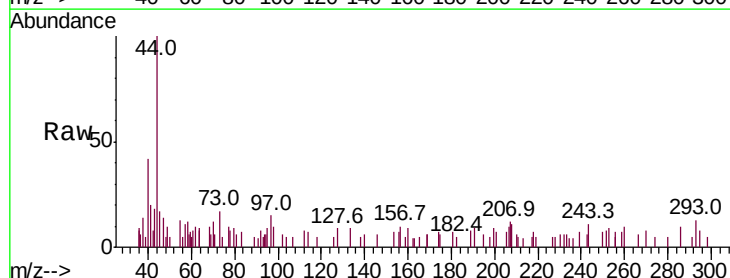
Ion Ratio Lower Upper

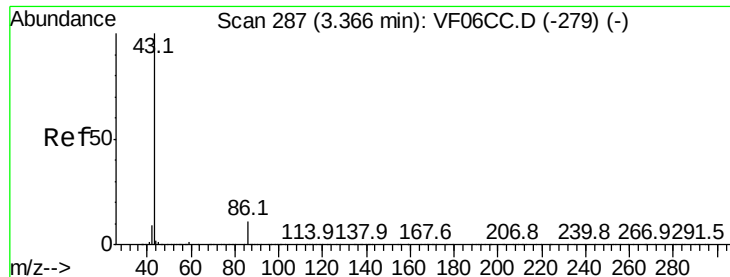
45 100

43 102.7 34.3 51.5#

87 0.0 19.0 28.4#

59 74.8 9.6 14.4#





#23

Vinyl Acetate

Concen: 22.476 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.04 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

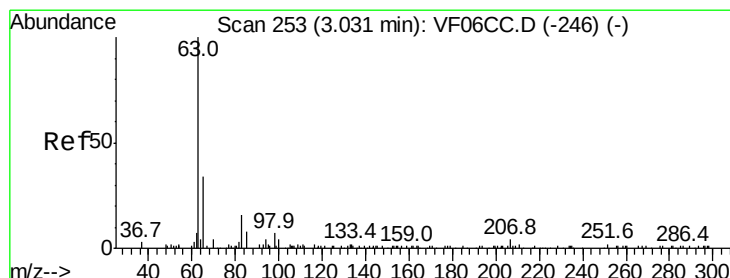
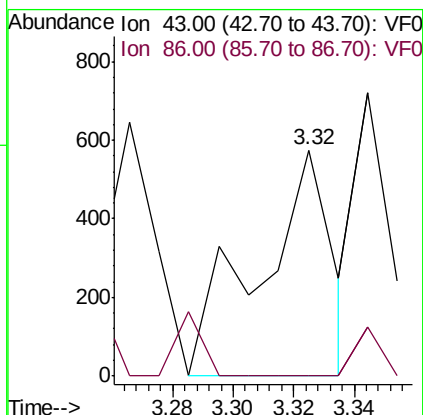
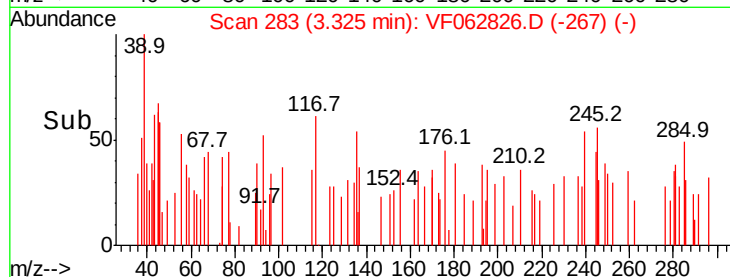
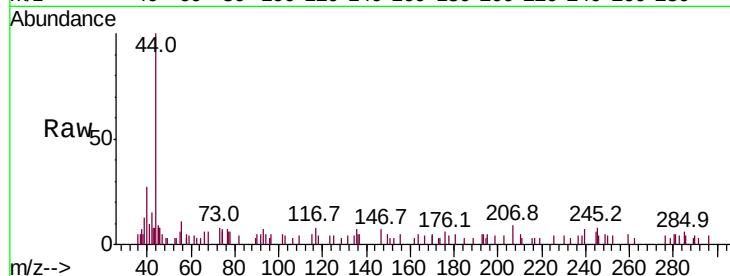
ROLL-OFF-COMPRESS

Tot Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 18.964 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.05 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

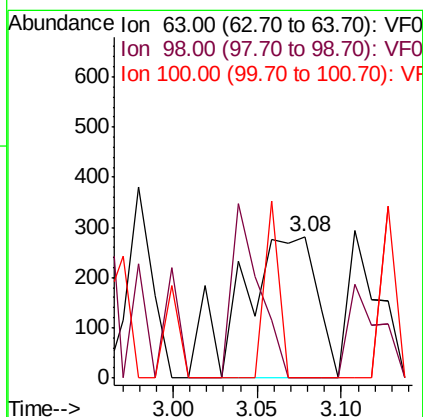
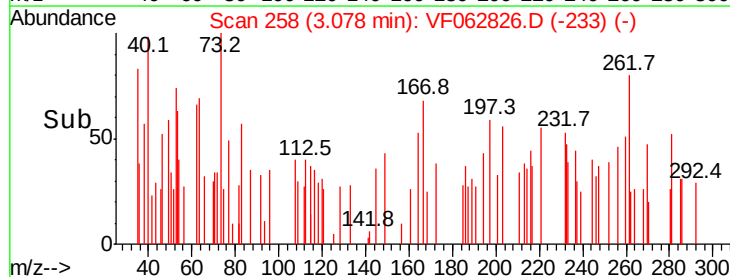
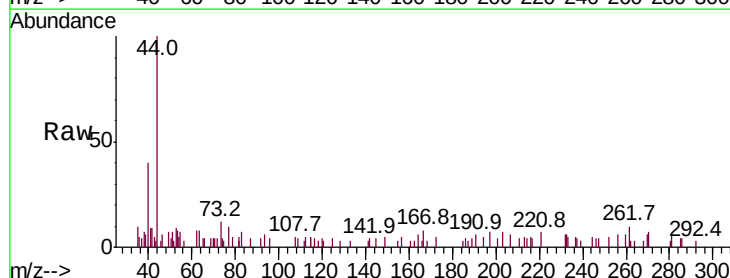
Tgt Ion: 63 Resp: 888

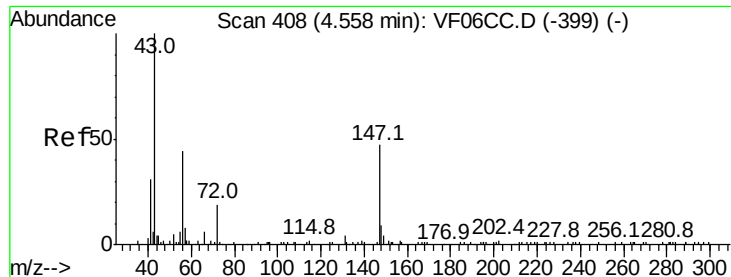
Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 0.0 1.5 4.5#

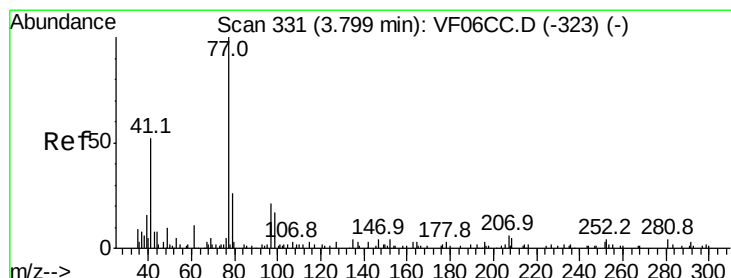
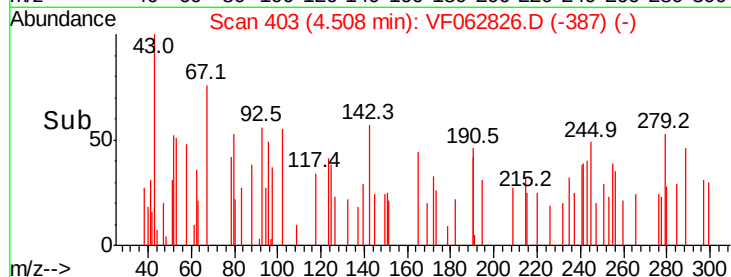
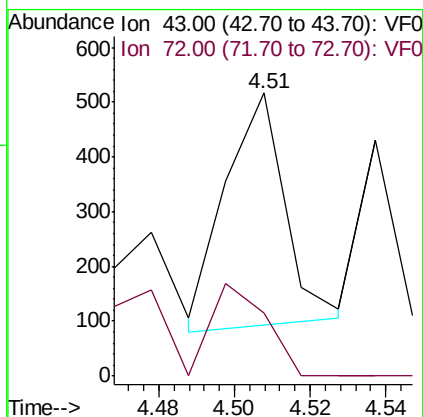
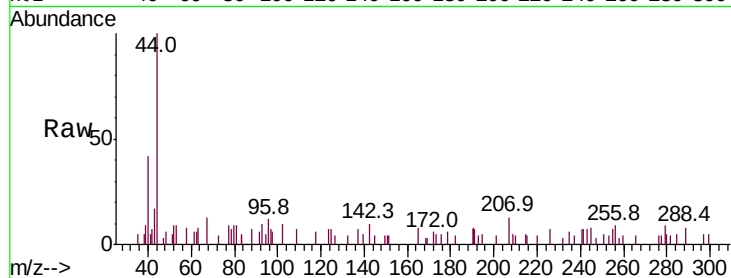




#25
2-Butanone
Concen: 36.767 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.04 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

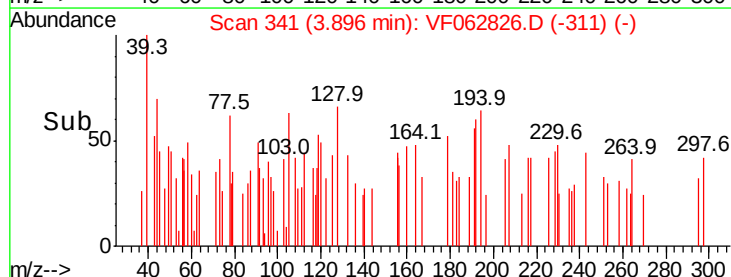
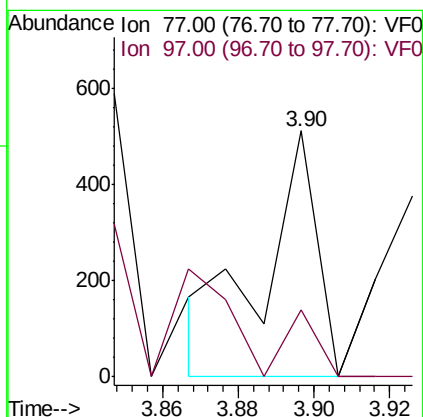
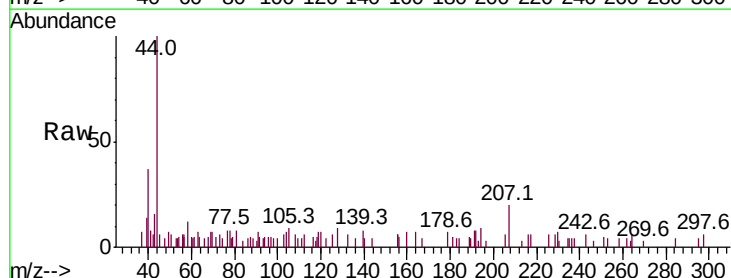
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

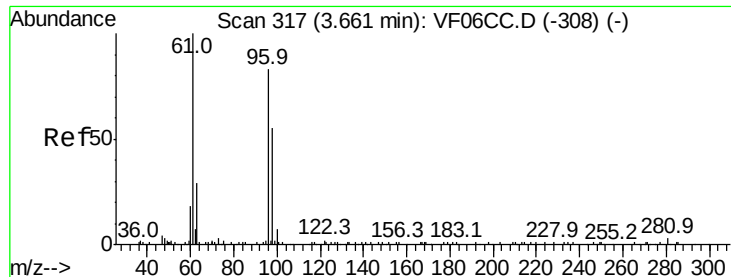
Tot Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
72 22.2 21.4 32.0



#26
2,2-Dichloropropane
Concen: 18.806 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.09 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 77 Resp: 500
Ion Ratio Lower Upper
77 100
97 27.1 12.4 37.4



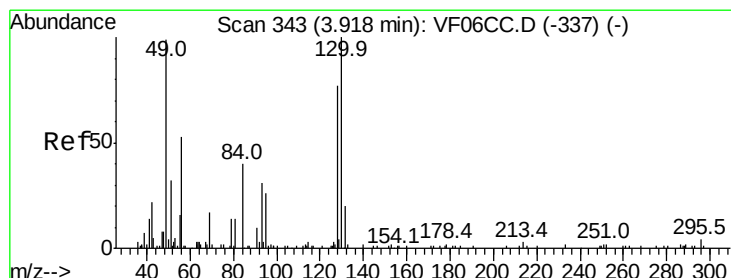
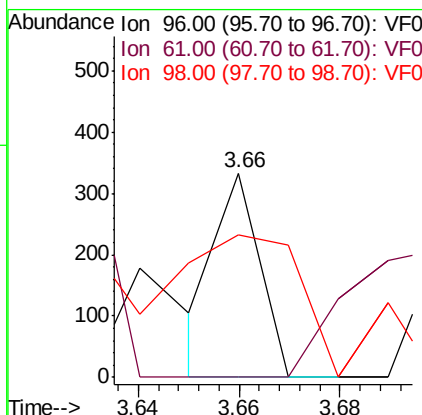
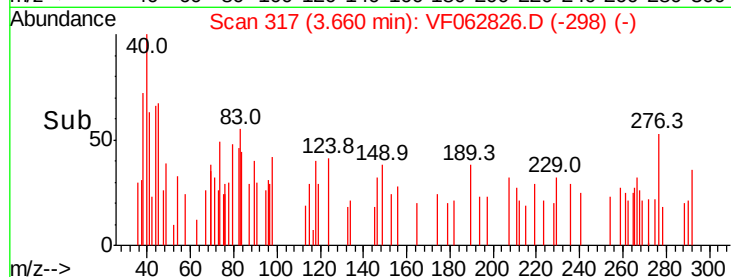
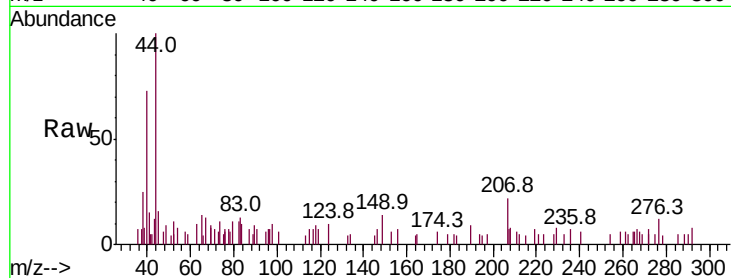


#27

cis-1,2-Dichloroethene
Concen: 4.108 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

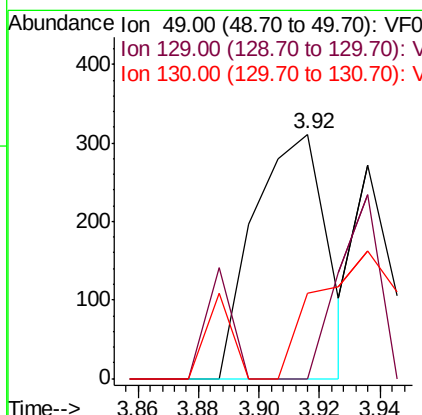
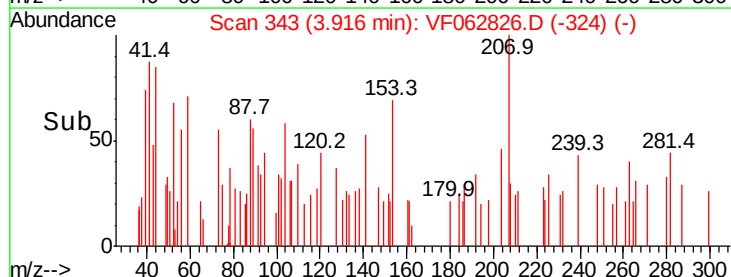
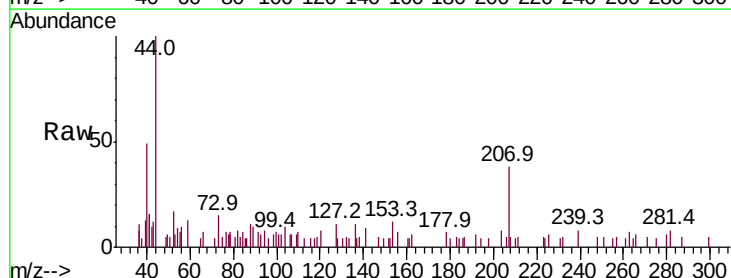
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	213.8
98	70.0	0.0	127.0

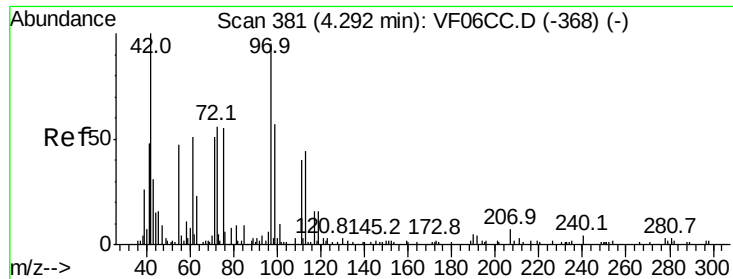


#28

Bromochloromethane
Concen: 20.651 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	34.7	79.2	118.8#

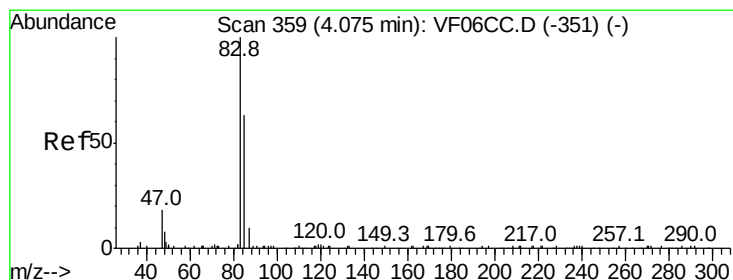
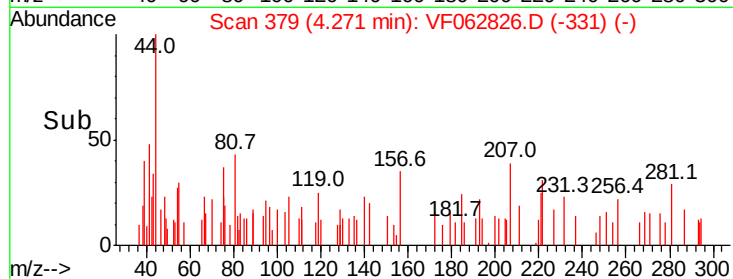
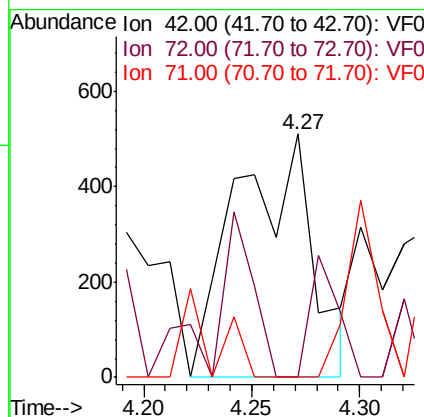
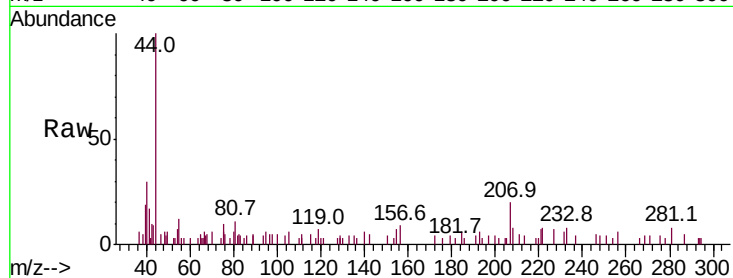




#29
Tetrahydrofuran
Concen: 260.835 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

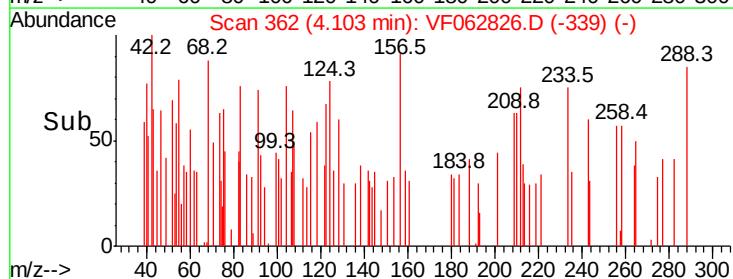
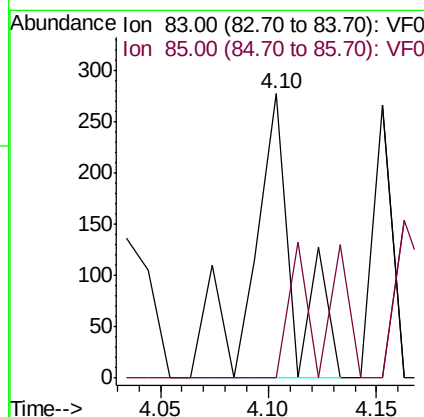
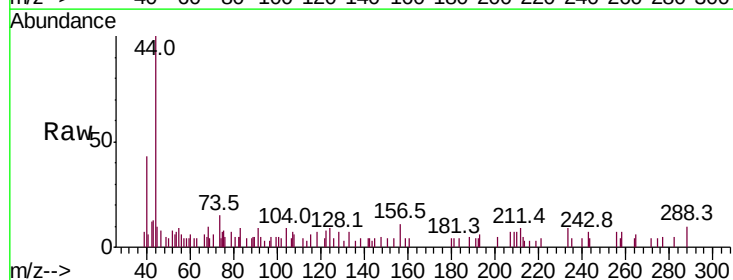
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

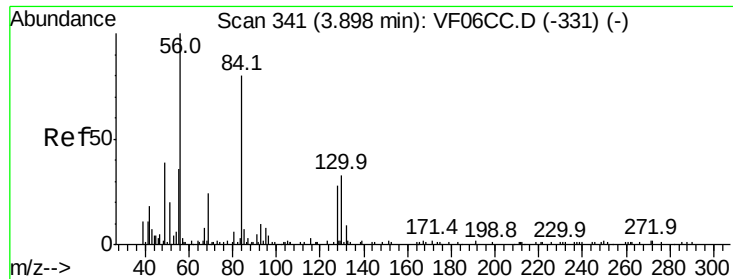
Tot Ion: 42 Resp: 1259
Ion Ratio Lower Upper
42 100
72 18.5 39.0 58.6#
71 0.0 36.9 55.3#



#30
Chloroform
Concen: 5.622 ug/l
RT: 4.10 min Scan# 362
Delta R.T. 0.03 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 83 Resp: 371
Ion Ratio Lower Upper
83 100
85 0.0 55.0 82.6#

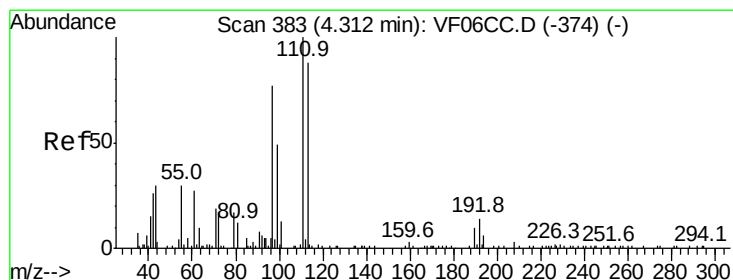
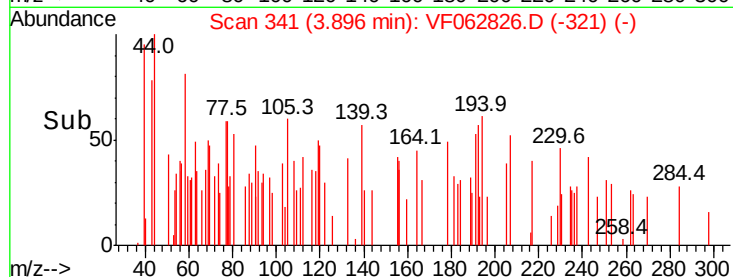
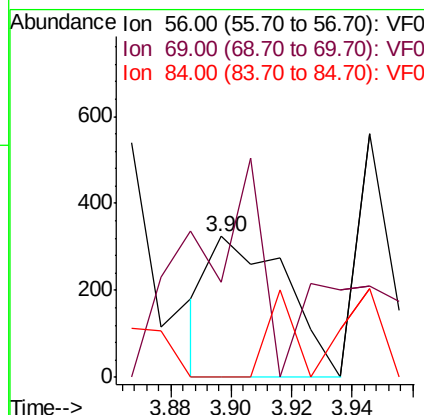
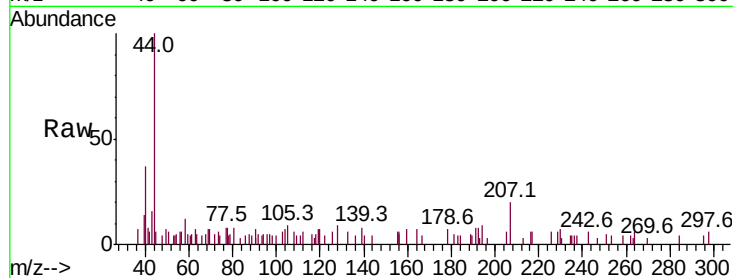




#31
Cyclohexane
Concen: 9.054 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

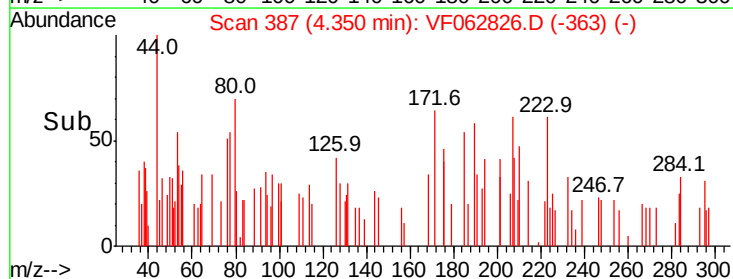
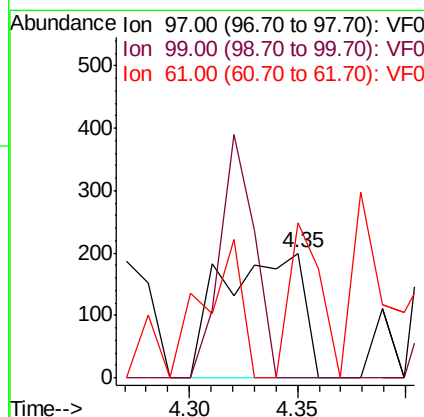
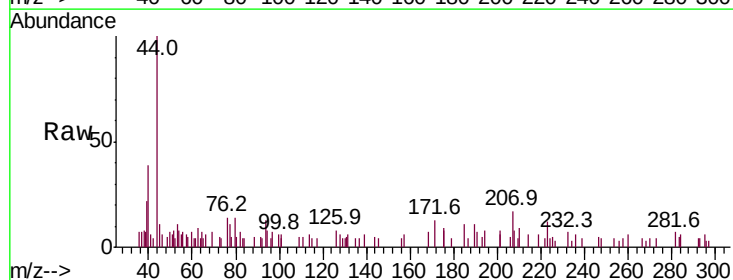
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

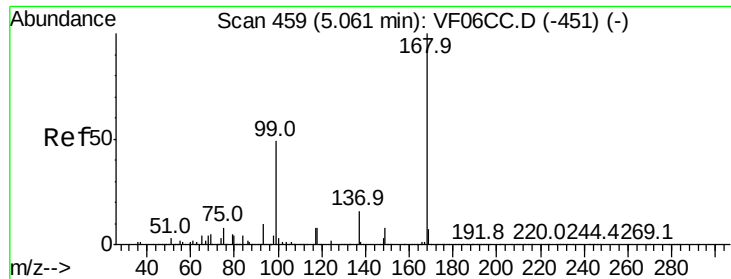
Tot Ion: 56 Resp: 574
Ion Ratio Lower Upper
56 100
69 86.1 26.7 40.1#
84 0.0 74.3 111.5#



#32
1,1,1-Trichloroethane
Concen: 13.351 ug/l
RT: 4.35 min Scan# 387
Delta R.T. 0.04 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 97 Resp: 513
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 124.5 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 28.889 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

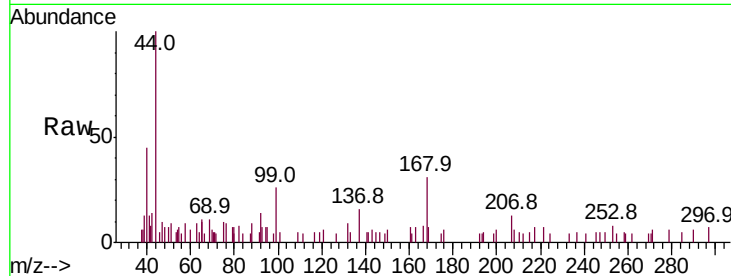
ROLL-OFF-COMP

Tot Ion: 65 Resp: 684

Ion Ratio Lower Upper

65 100

67 0.0 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.05

600

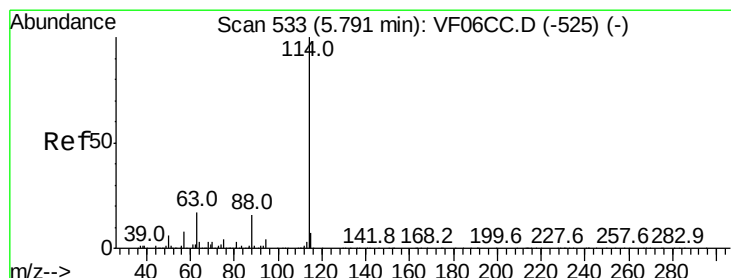
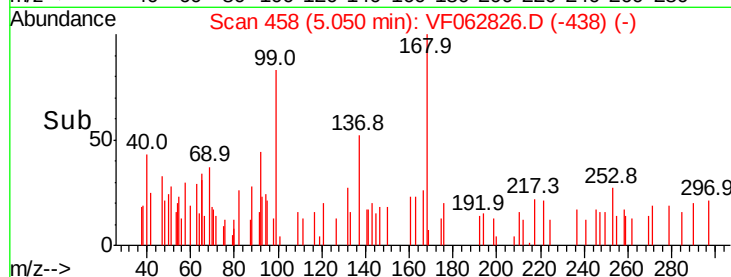
400

200

0

5.02 5.04 5.06 5.08

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

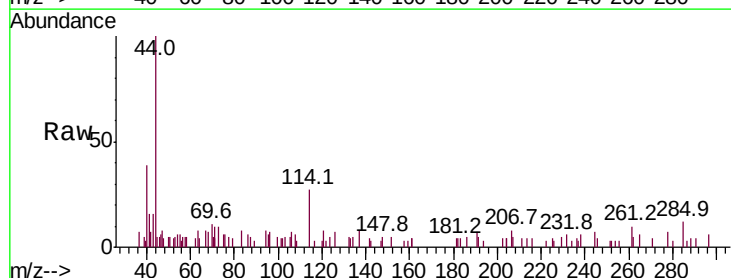
Tgt Ion: 114 Resp: 1307

Ion Ratio Lower Upper

114 100

63 29.5 0.0 34.2

88 0.0 0.0 31.2



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

1200

1000

800

600

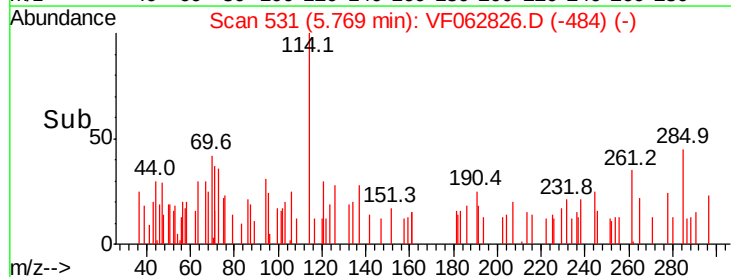
400

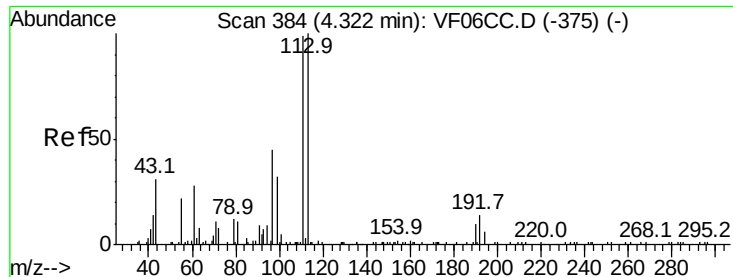
200

0

5.74 5.76 5.78 5.80

Time-->

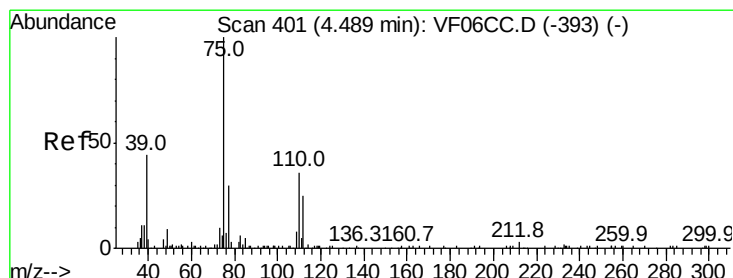
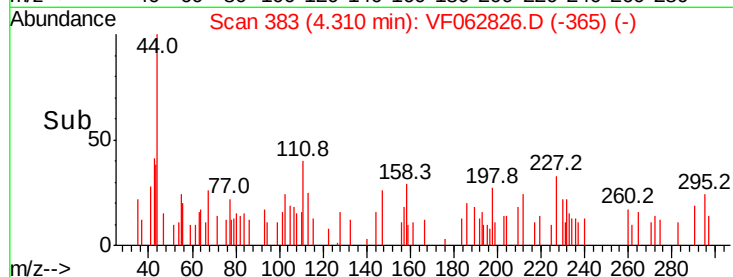
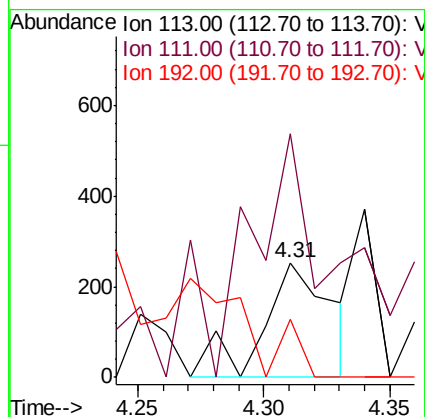
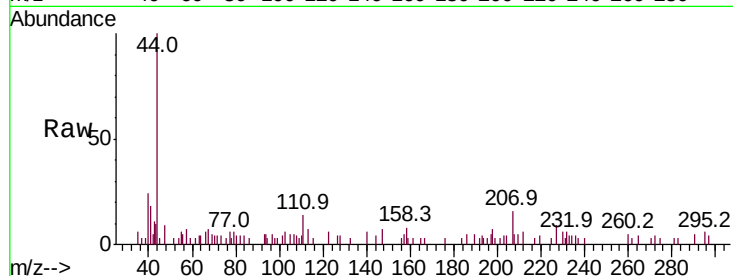




#35
 Dibromofluoromethane
 Concen: 48.702 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

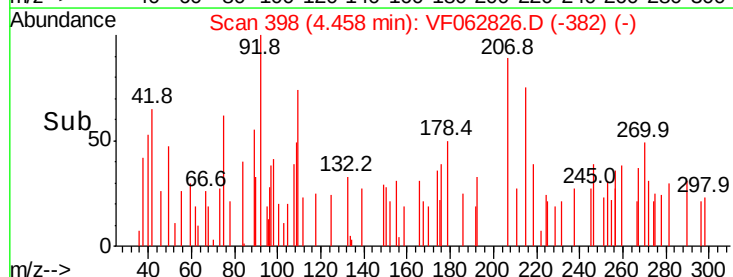
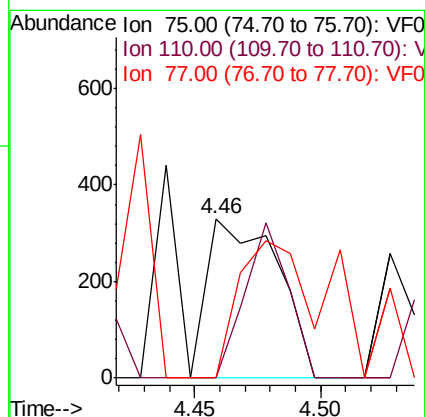
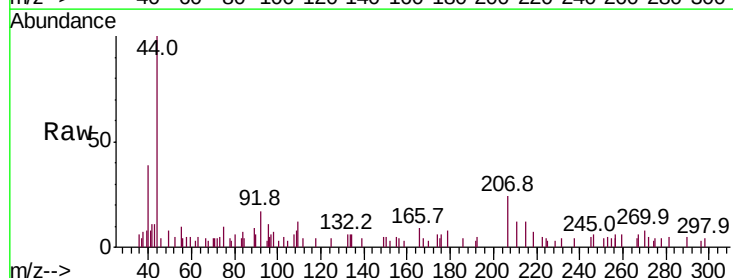
Instrument :
 MSVOA_F
 ClientSampleId :
 ROLL-OFF-COMP

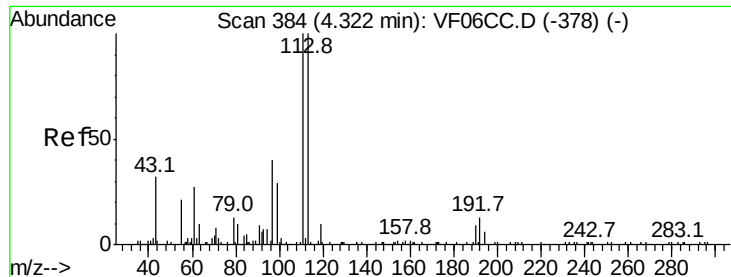
Tot Ion:113 Resp: 481
 Ion Ratio Lower Upper
 113 100
 111 212.3 81.9 122.9#
 192 50.2 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 53.274 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.04 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

Tgt Ion: 75 Resp: 641
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.4 58.1#
 77 0.0 25.4 38.2#

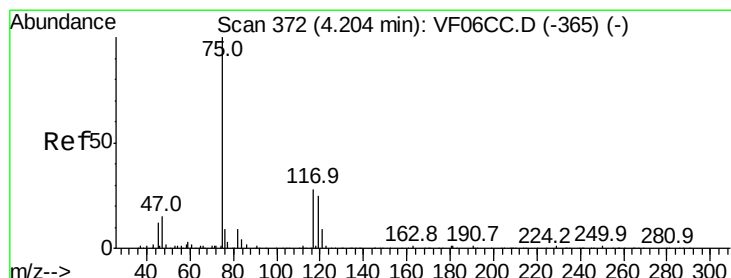
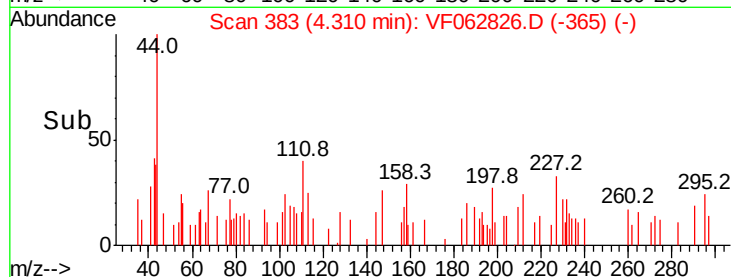
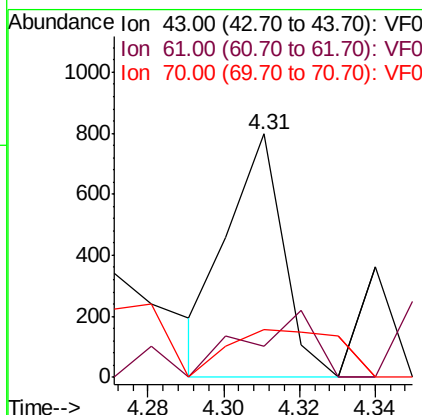
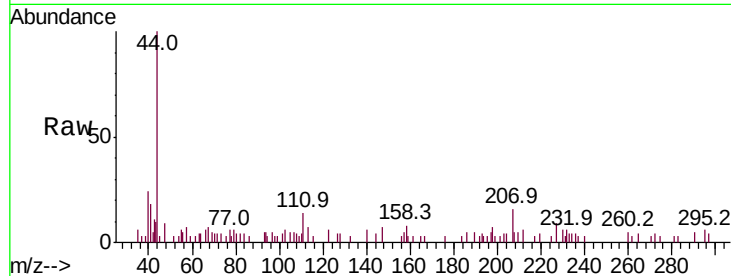




#37
Ethyl Acetate
Concen: 175.238 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

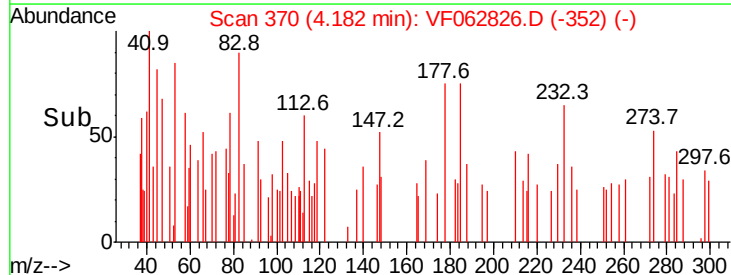
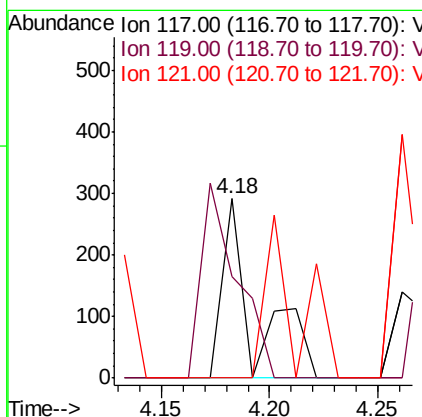
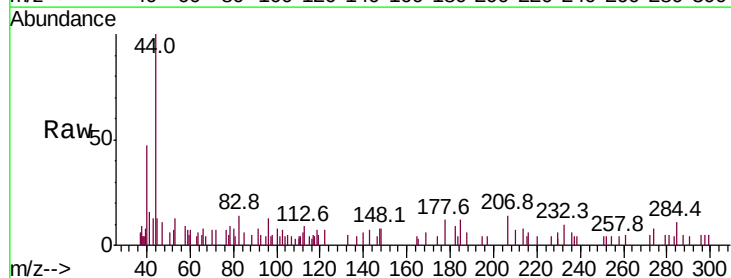
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

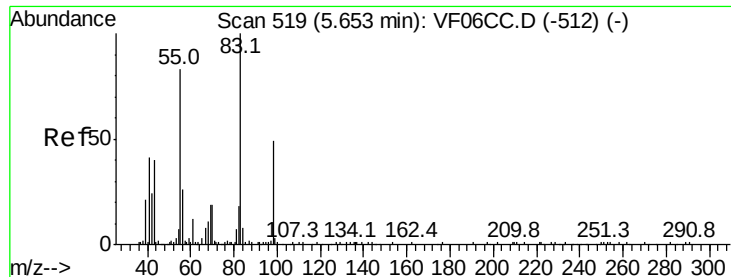
Tot Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
61 12.8 59.1 88.7#
70 19.5 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 37.261 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 117 Resp: 303
Ion Ratio Lower Upper
117 100
119 56.4 78.2 117.2#
121 0.0 28.2 42.2#

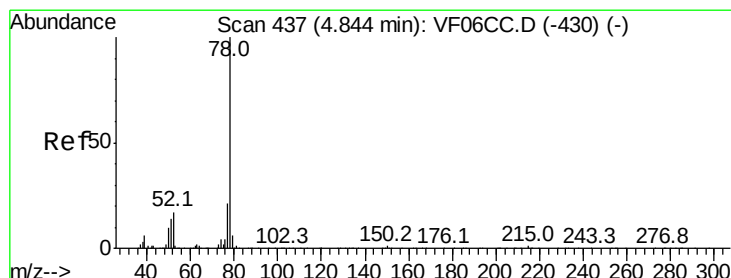
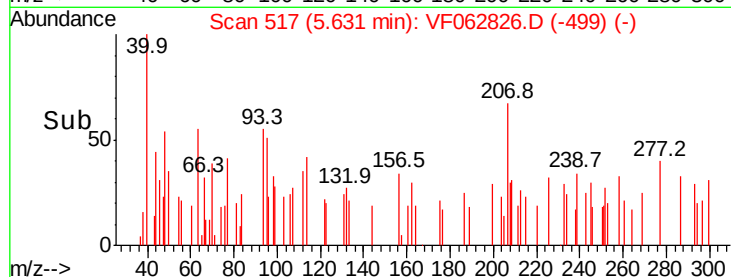
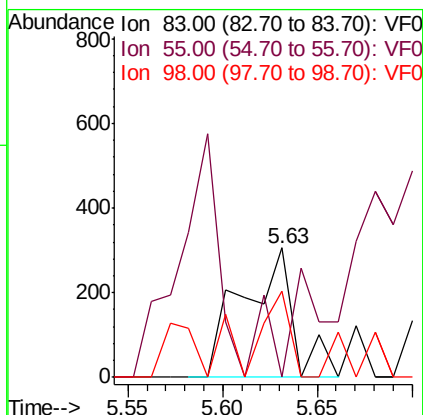
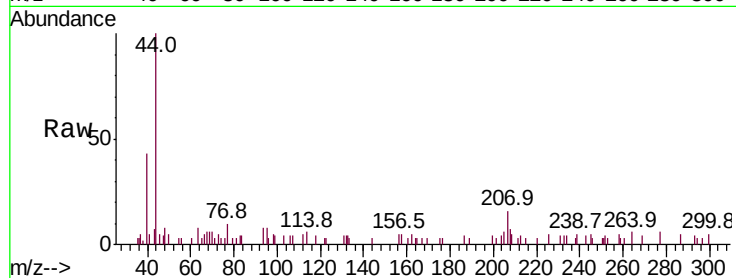




#39
Methylvlcyclohexane
Concen: 38.531 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

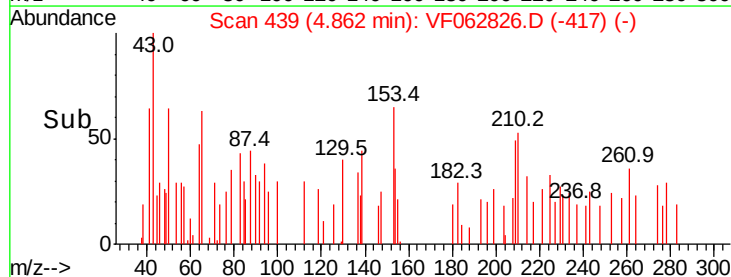
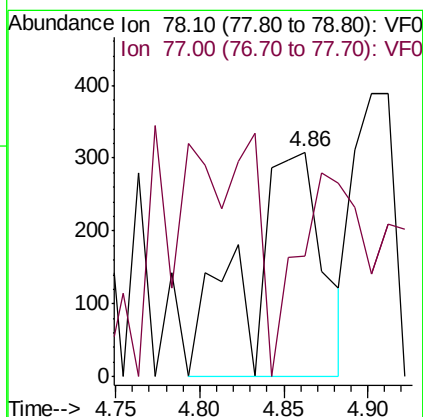
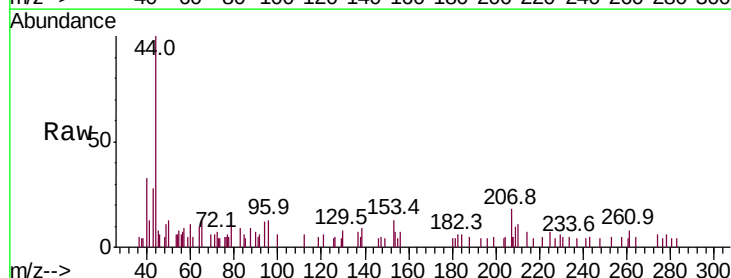
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMPRE

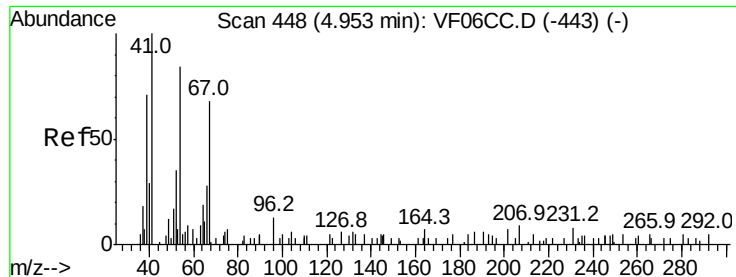
Tot Ion: 83 Resp: 577
Ion Ratio Lower Upper
83 100
55 42.8 61.6 92.4#
98 66.3 37.4 56.2#



#40
Benzene
Concen: 27.243 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 78 Resp: 954
Ion Ratio Lower Upper
78 100
77 53.9 18.9 28.3#

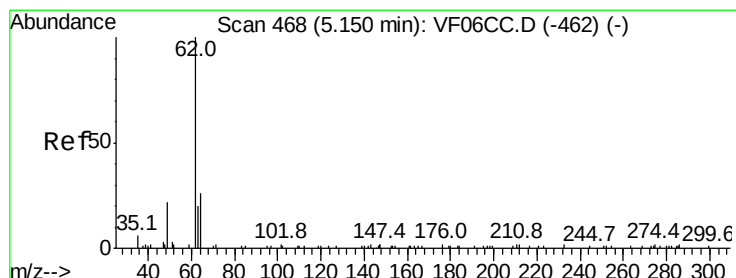
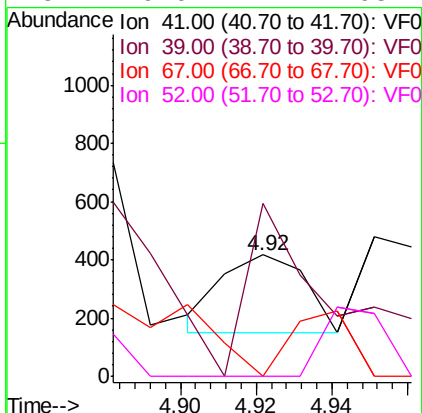
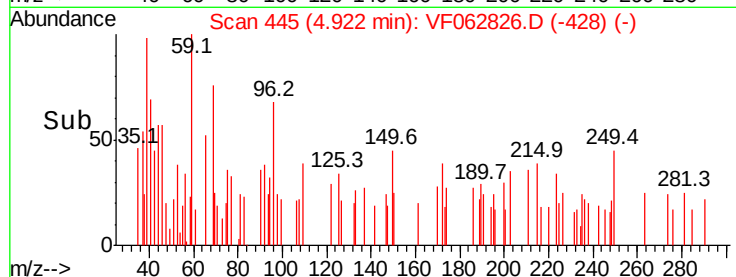
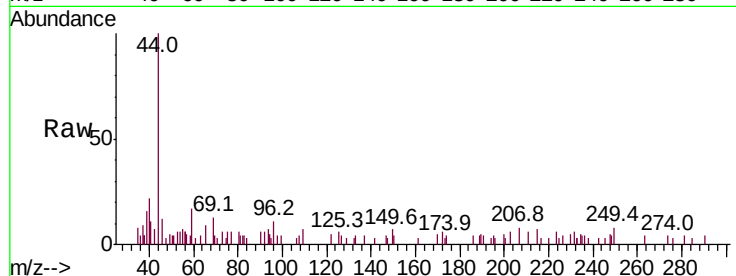




#41
Methacrylonitrile
Concen: 158.784 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

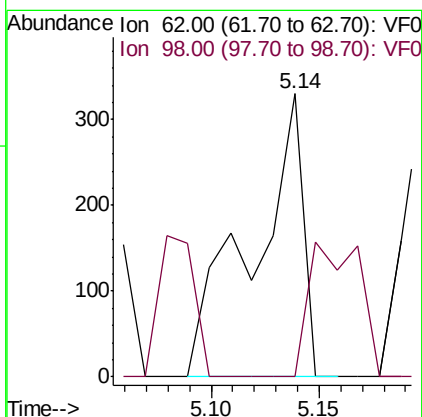
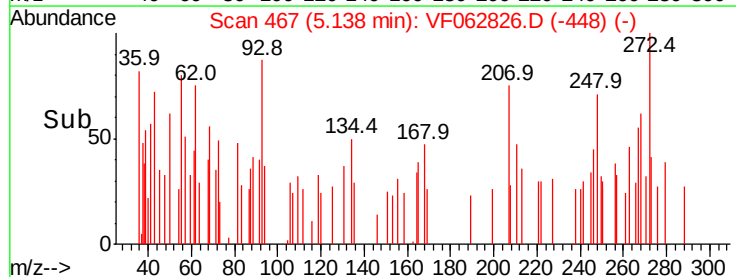
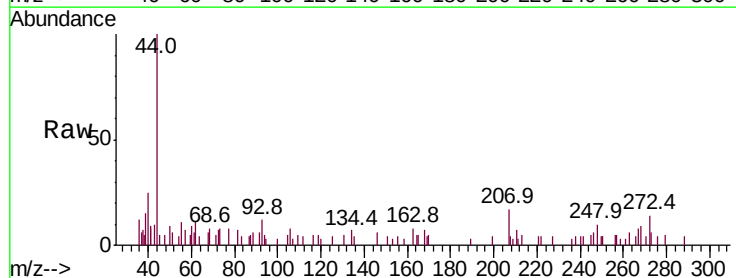
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

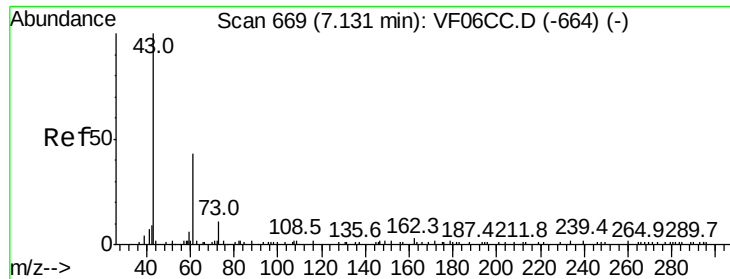
Tot Ion:	41	Resp:	406
Ion	Ratio	Lower	Upper
41	100		
39	142.3	42.0	63.0#
67	0.0	61.4	92.0#
52	0.0	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 80.028 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:	62	Resp:	533
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	24.0





#43

Isopropyl Acetate

Concen: 220.213 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

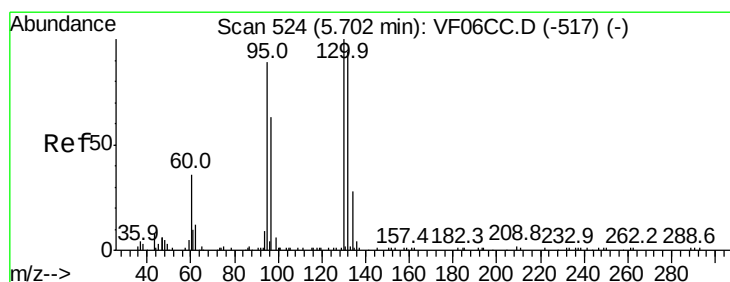
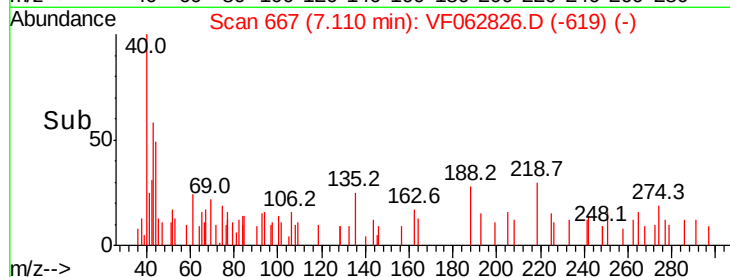
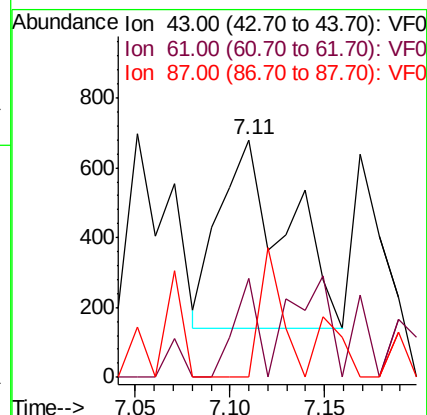
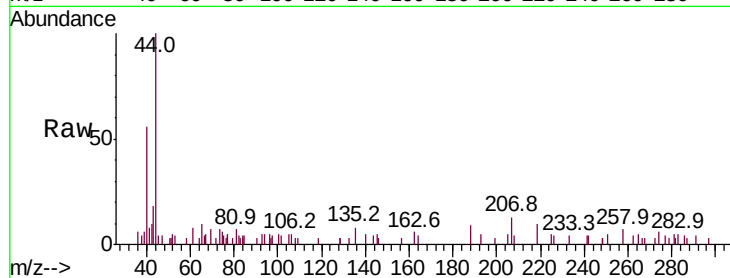
Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

61 41.5 29.8 44.6

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 29.647 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.04 min

Lab File: VF062826.D

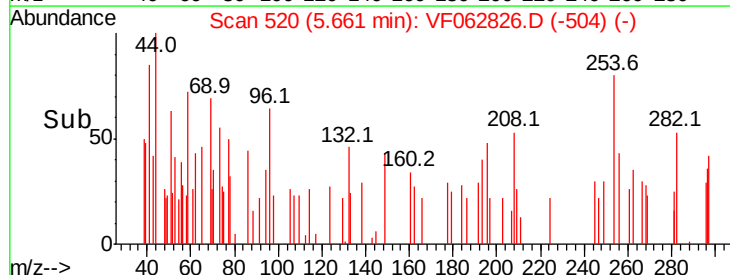
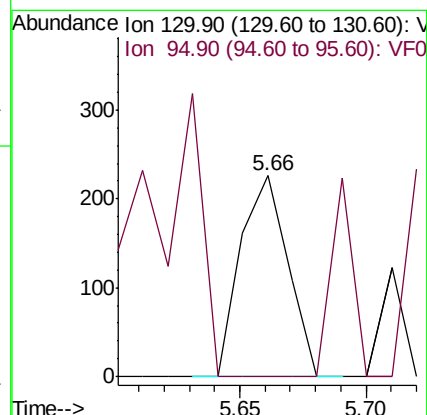
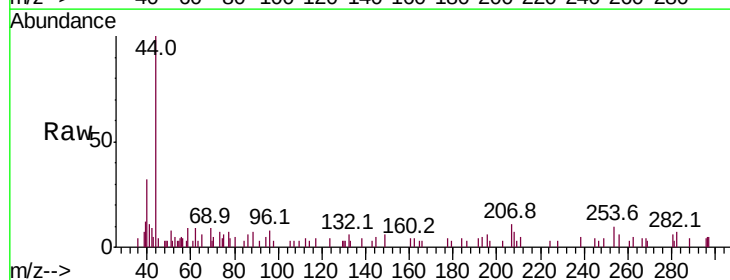
Acq: 3 Jun 2019 14:00

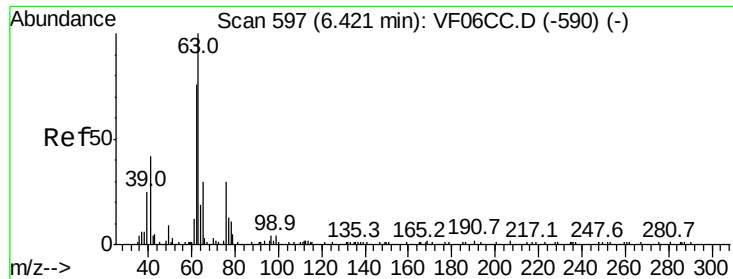
Tgt Ion:130 Resp: 293

Ion Ratio Lower Upper

130 100

95 0.0 0.0 188.2





#45

1,2-Dichloropropane

Concen: 10.697 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.04 min

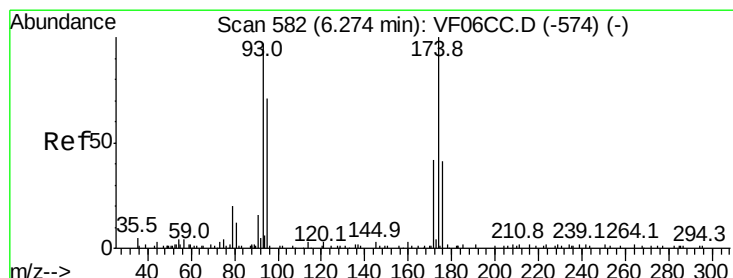
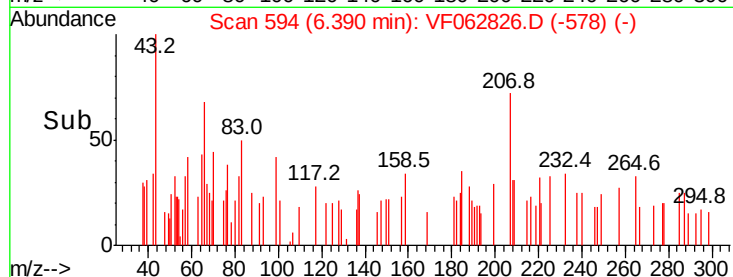
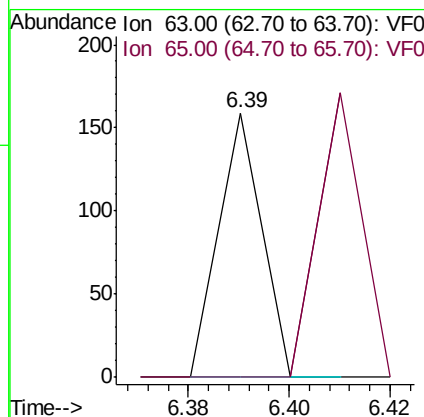
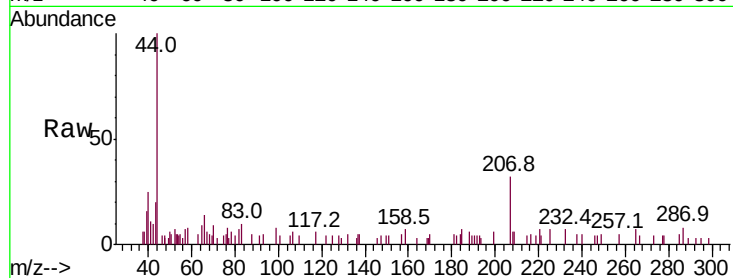
Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

Tot Ion: 63 Resp: 94

Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.2	36.2#



#46

Dibromomethane

Concen: 54.575 ug/l

RT: 6.24 min Scan# 579

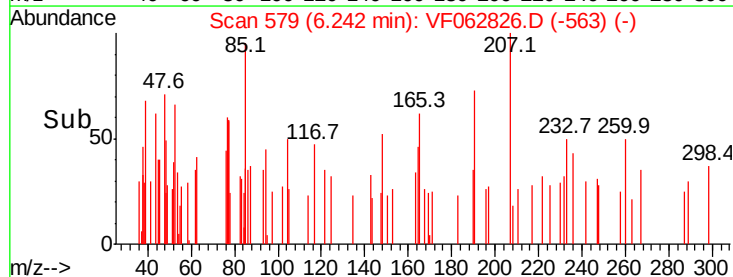
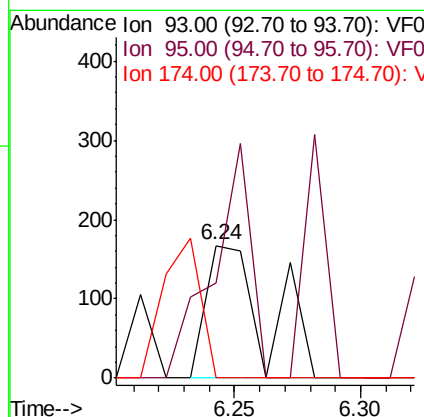
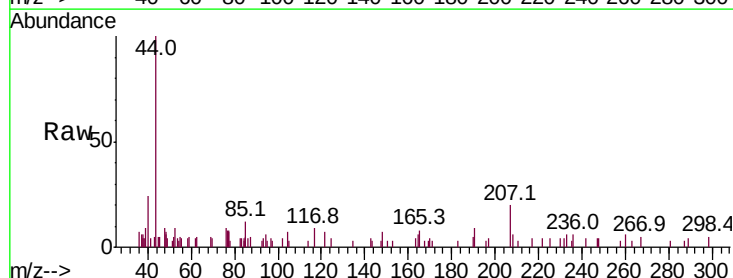
Delta R.T. -0.04 min

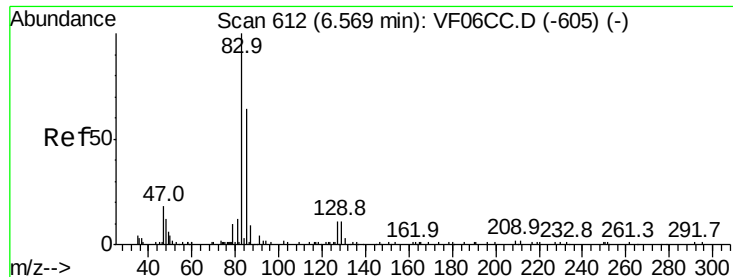
Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Tgt Ion: 93 Resp: 280

Ion	Ratio	Lower	Upper
93	100		
95	71.9	67.9	101.9
174	0.0	85.0	127.4#





#47

Bromodichloromethane

Concen: 9.666 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMPRES

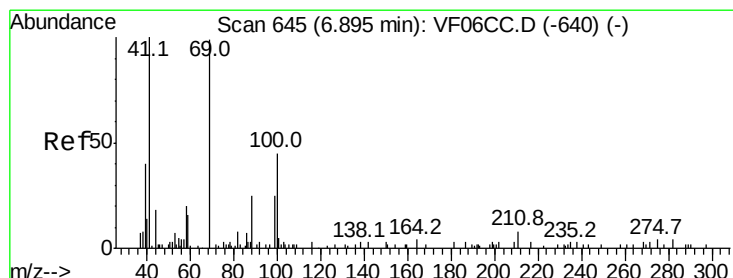
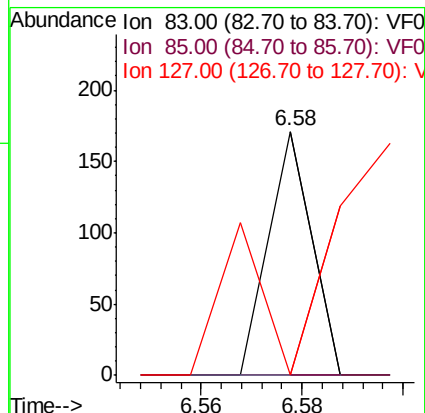
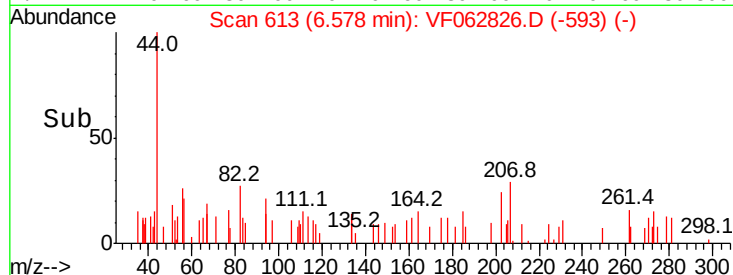
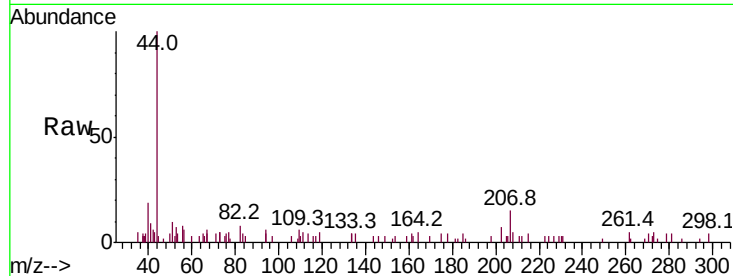
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

85 0.0 54.2 81.4#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 185.864 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.05 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

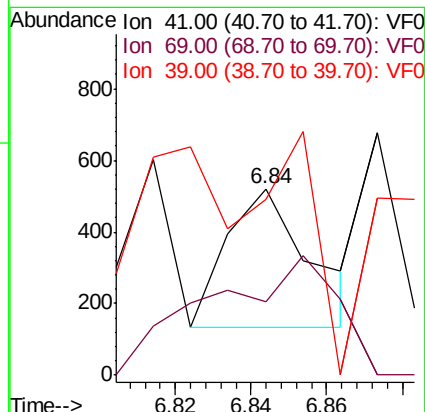
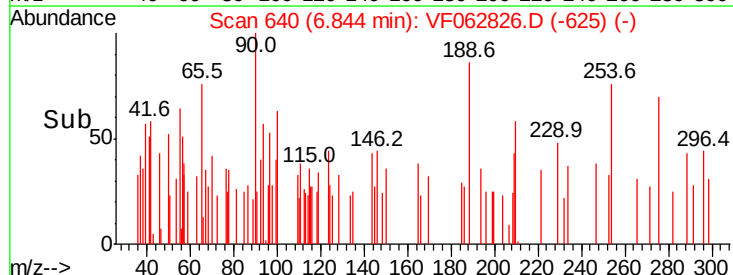
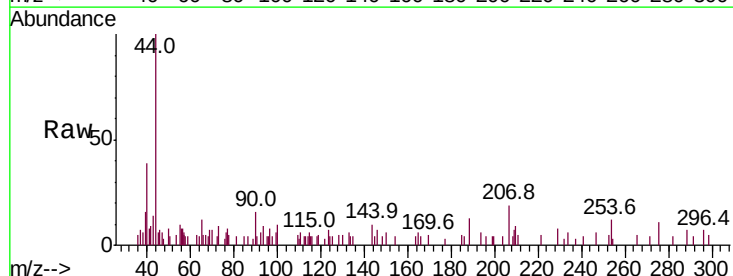
Tgt Ion: 41 Resp: 582

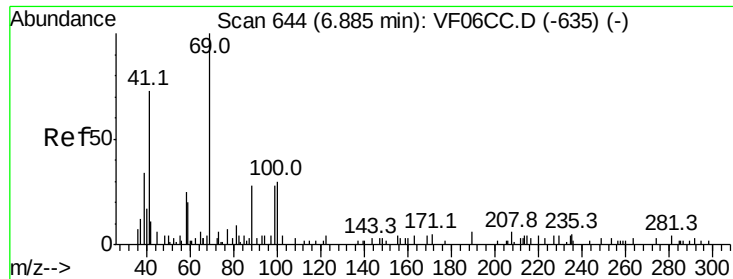
Ion Ratio Lower Upper

41 100

69 39.4 79.4 119.2#

39 94.2 39.8 59.6#





#49

1,4-Dioxane

Concen: 9206.696 ug/l

RT: 6.46 min Scan# 601

Delta R.T. -0.43 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

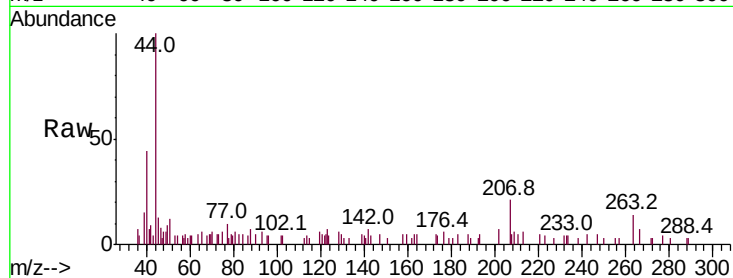
Tot Ion: 88 Resp: 380

Ion Ratio Lower Upper

88 100

43 50.4 34.8 52.2

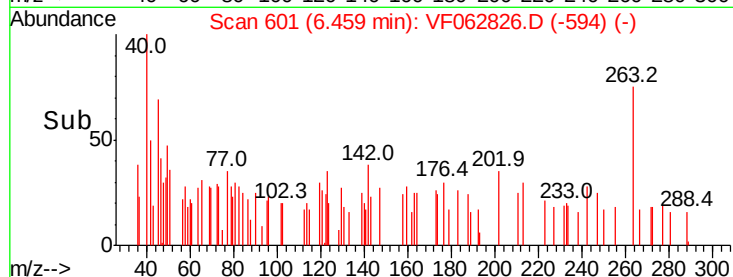
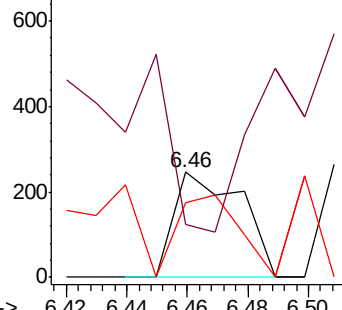
58 71.5 59.9 89.9



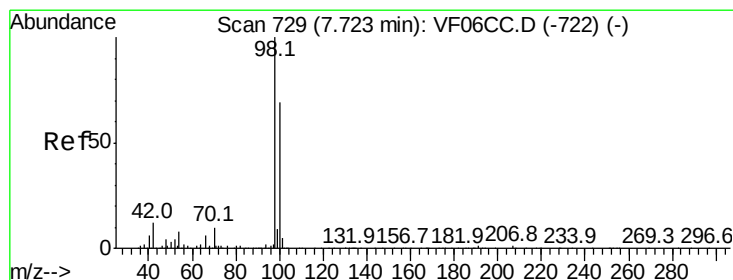
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 11.051 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.05 min

Lab File: VF062826.D

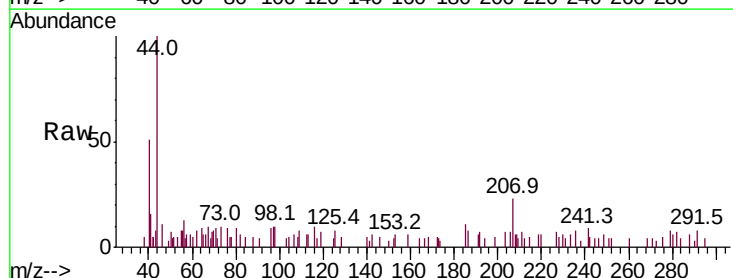
Acq: 3 Jun 2019 14:00

Tgt Ion: 98 Resp: 276

Ion Ratio Lower Upper

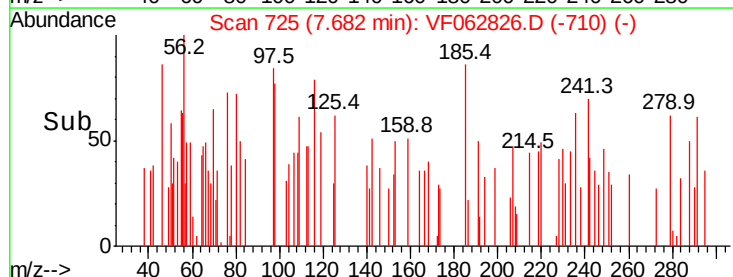
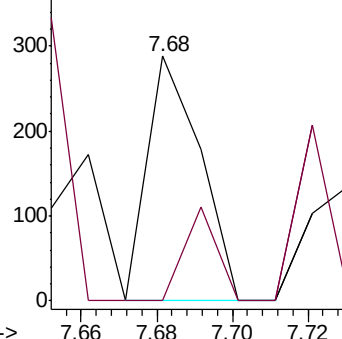
98 100

100 0.0 59.8 89.8#

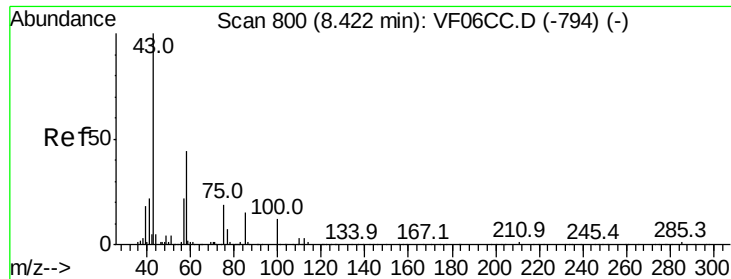


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 386.597 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.04 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

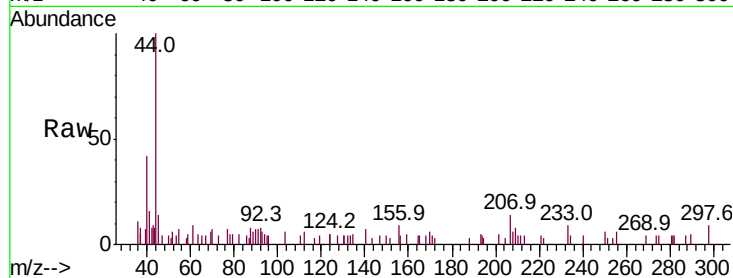
ROLL-OFF-COMPRESS

Tot Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 20.0 35.5 53.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

600

400

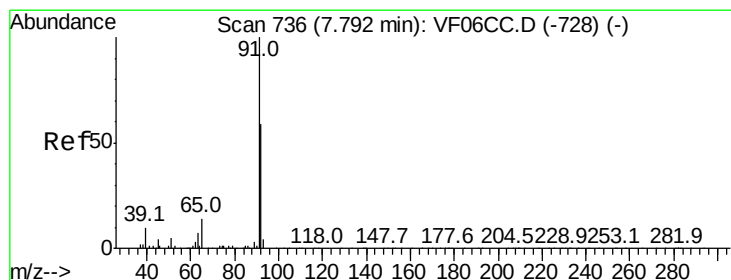
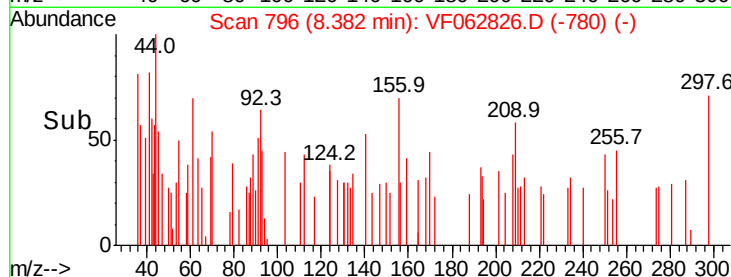
200

0

8.35 8.40 8.45

8.38

Time-->



#52

Toluene

Concen: 5.037 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.11 min

Lab File: VF062826.D

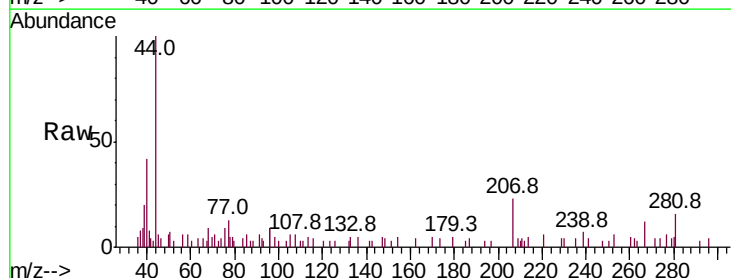
Acq: 3 Jun 2019 14:00

Tgt Ion: 92 Resp: 95

Ion Ratio Lower Upper

92 100

91 139.1 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250

200

150

100

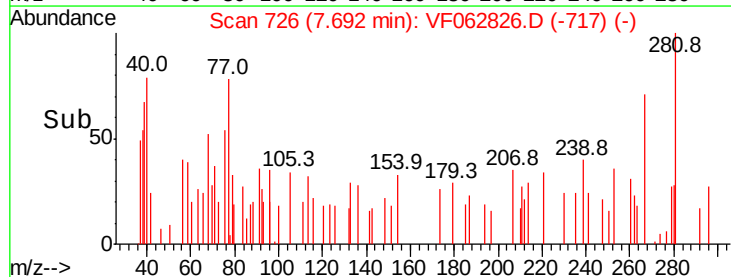
50

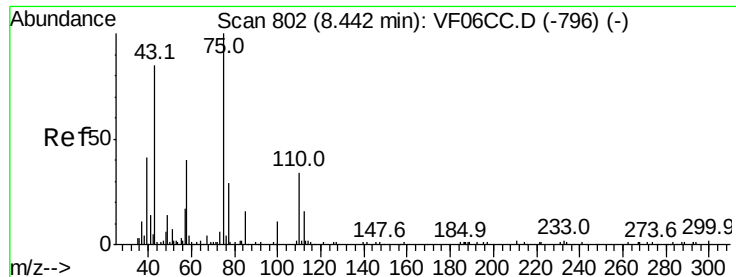
0

7.68 7.69 7.70

7.69

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.815 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.05 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

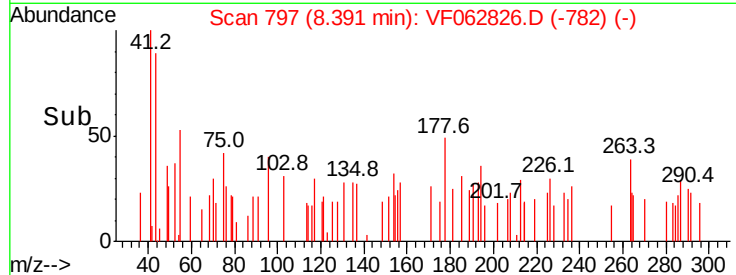
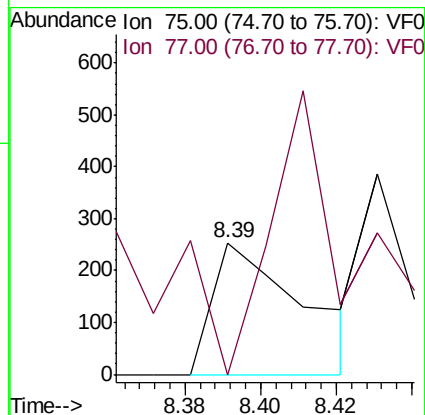
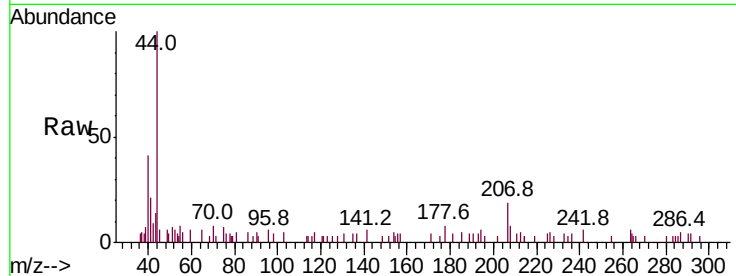
ROLL-OFF-COMP

Tot Ion: 75 Resp: 414

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 7.341 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.04 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

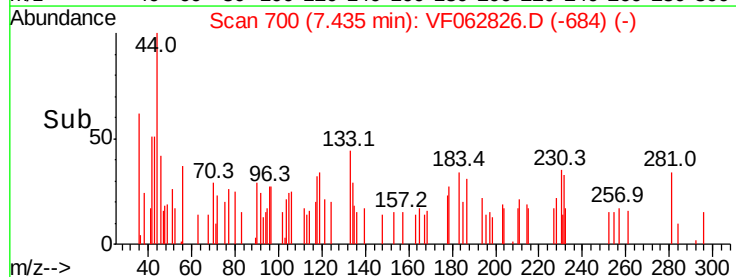
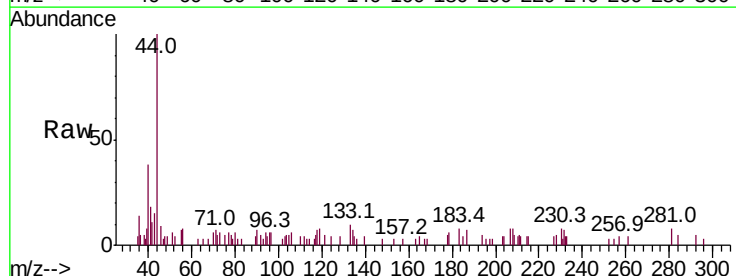
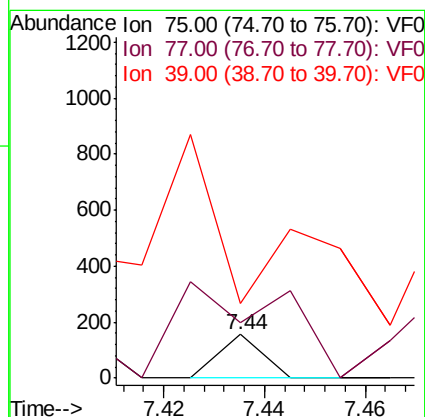
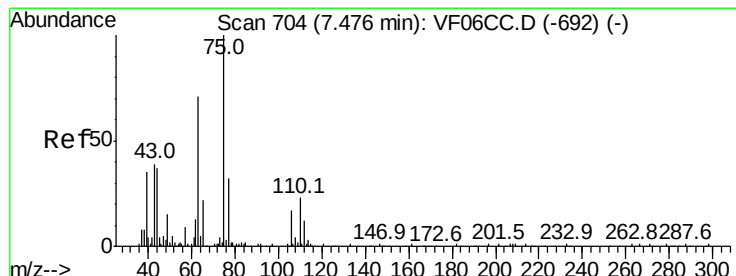
Tgt Ion: 75 Resp: 92

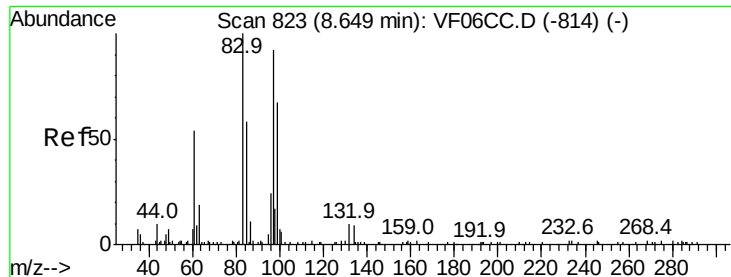
Ion Ratio Lower Upper

75 100

77 127.7 25.8 38.8#

39 171.0 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 15.795 ug/l

RT: 8.59 min Scan# 817

Delta R.T. -0.06 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

Tot Ion: 97 Resp: 89

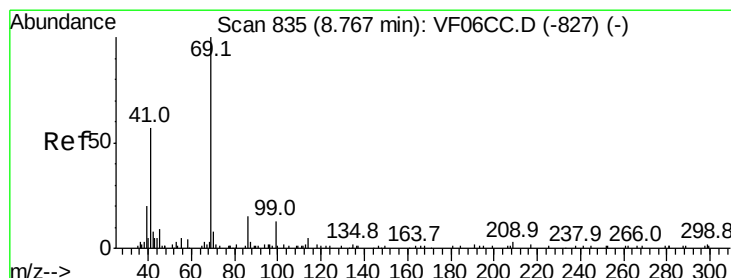
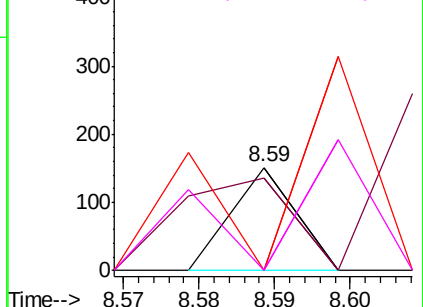
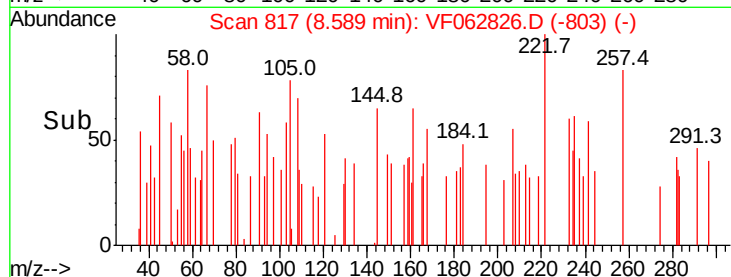
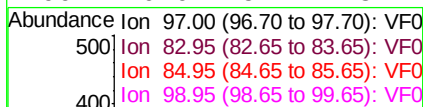
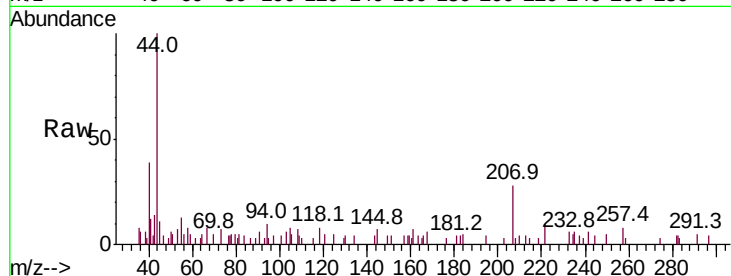
Ion Ratio Lower Upper

97 100

83 90.1 72.0 108.0

85 0.0 47.5 71.3#

99 0.0 54.1 81.1#



#56

Ethyl methacrylate

Concen: 73.273 ug/l

RT: 8.71 min Scan# 829

Delta R.T. -0.07 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

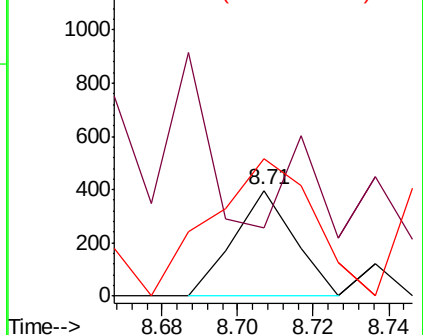
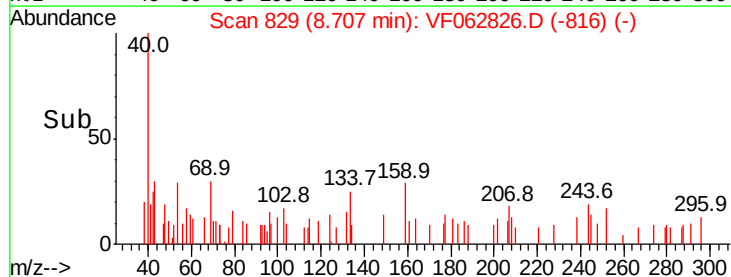
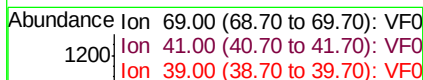
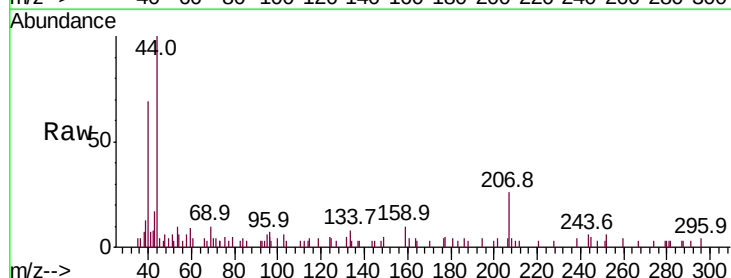
Tgt Ion: 69 Resp: 443

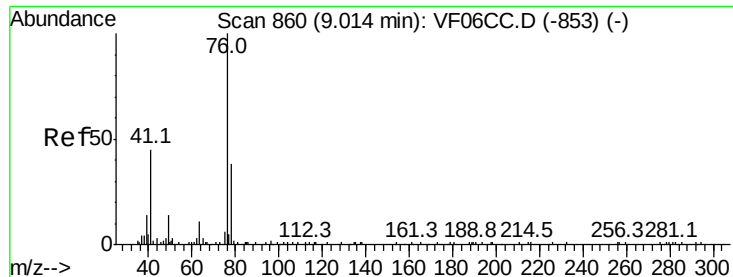
Ion Ratio Lower Upper

69 100

41 64.1 46.6 69.8

39 129.6 19.6 29.4#





#57

1,3-Dichloropropane

Concen: 38.906 ug/l

RT: 8.88 min Scan# 847

Delta R.T. -0.13 min

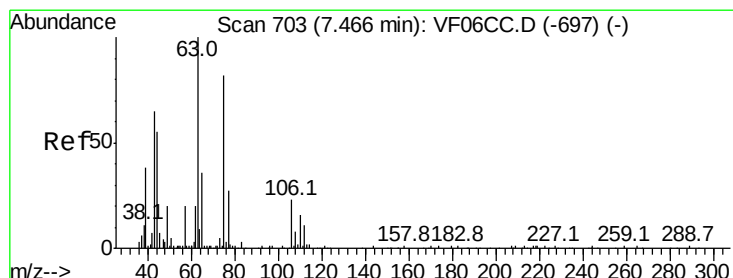
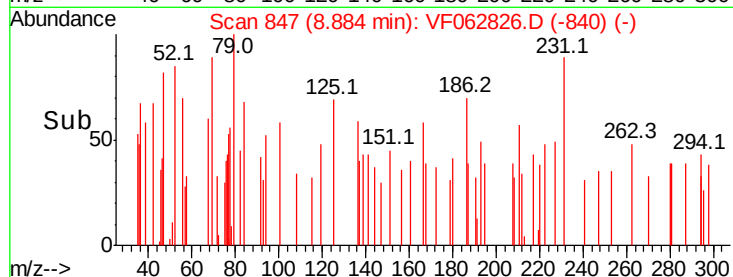
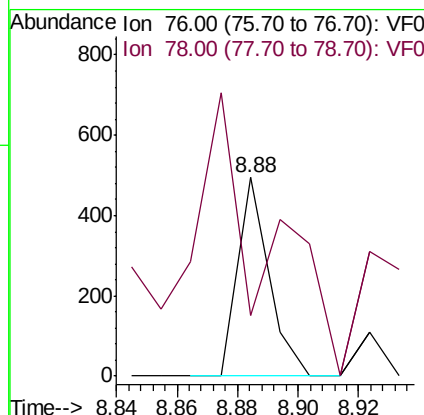
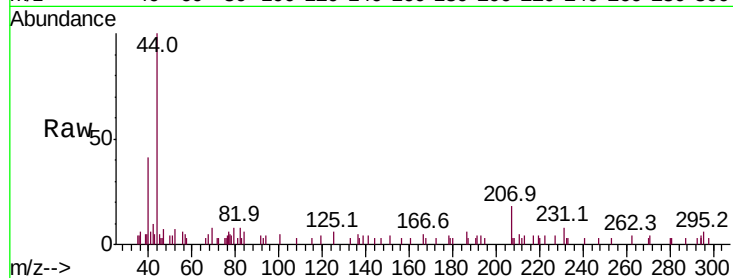
Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

Tot Ion: 76 Resp: 358

Ion	Ratio	Lower	Upper
76	100		
78	30.7	26.8	40.2



#58

2-Chloroethyl Vinyl ether

Concen: 275.915 ug/l

RT: 7.45 min Scan# 702

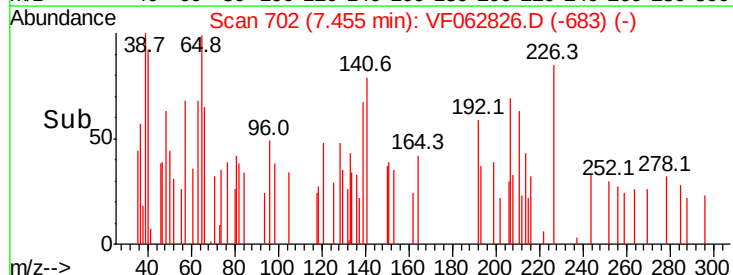
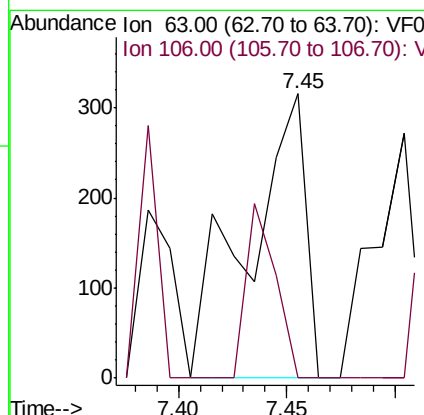
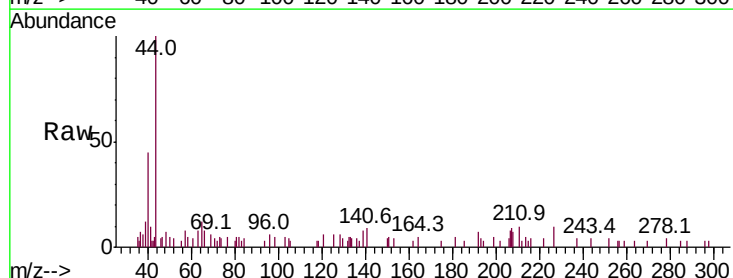
Delta R.T. -0.01 min

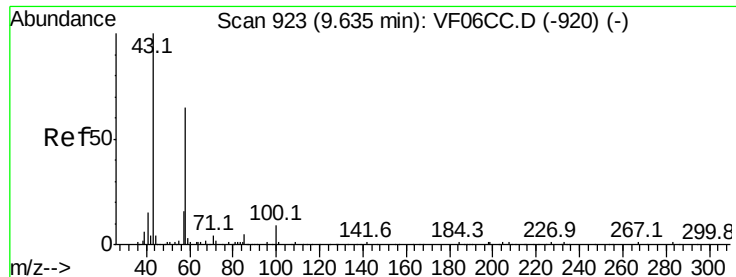
Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Tgt Ion: 63 Resp: 583

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.5	29.3#

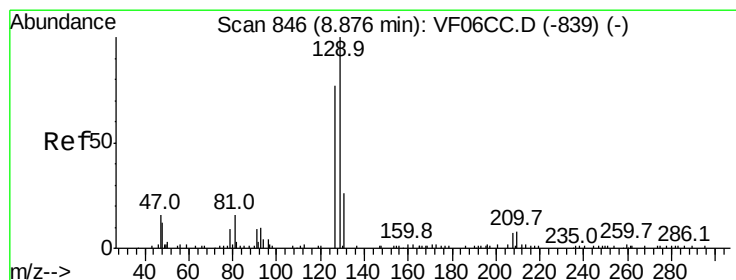
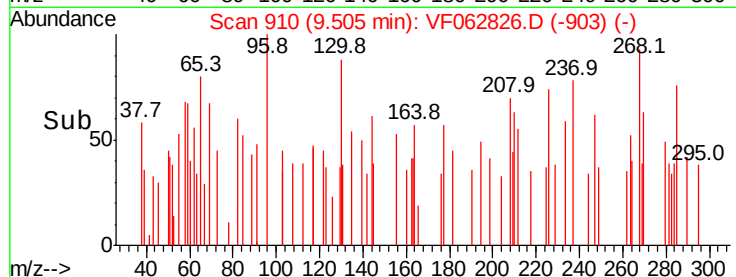
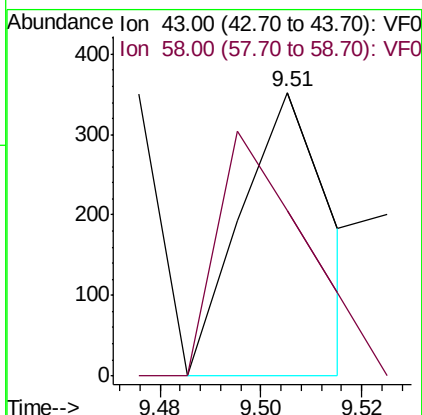
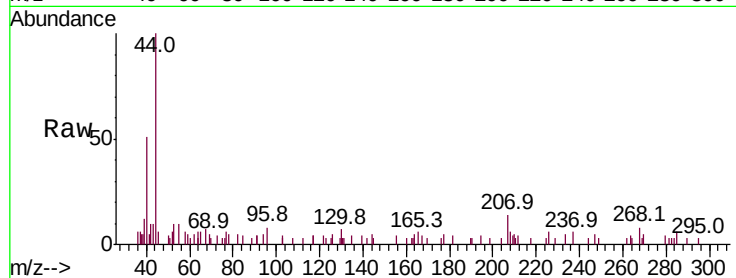




#59
2-Hexanone
Concen: 139.074 ug/l
RT: 9.51 min Scan# 910
Delta R.T. -0.13 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

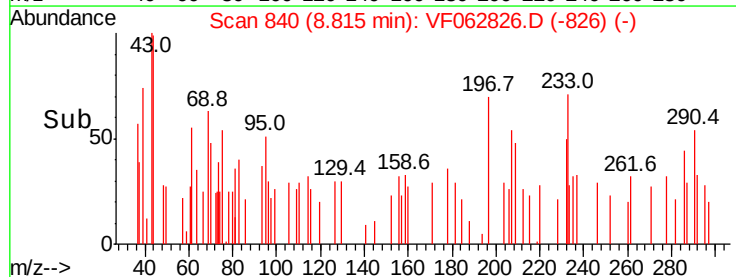
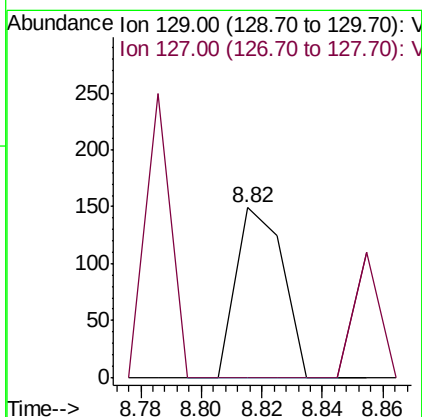
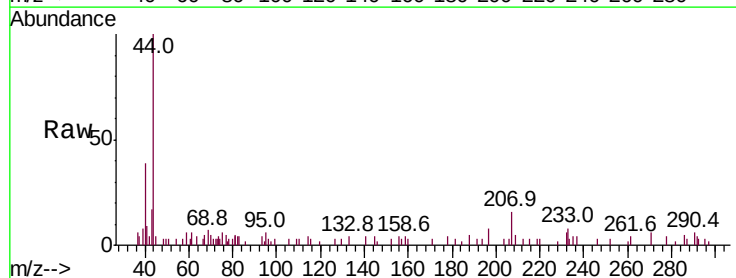
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

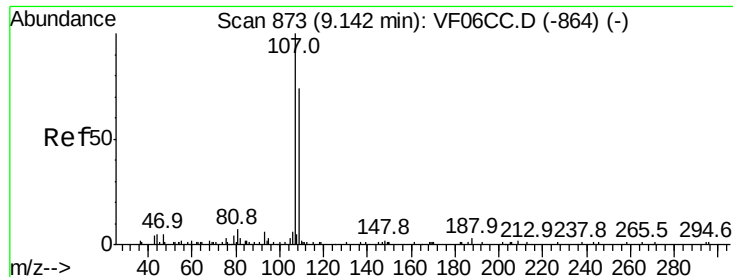
Tot Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
58 58.2 29.3 87.9



#60
Dibromochloromethane
Concen: 23.222 ug/l
RT: 8.82 min Scan# 840
Delta R.T. -0.06 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion: 129 Resp: 162
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.3#





#61

1,2-Dibromoethane

Concen: 16.576 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

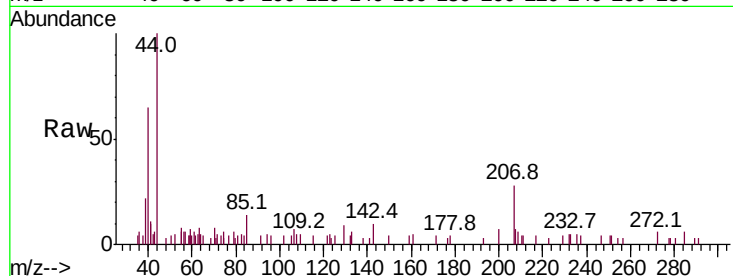
ROLL-OFF-COMP

Tot Ion:107 Resp: 97

Ion Ratio Lower Upper

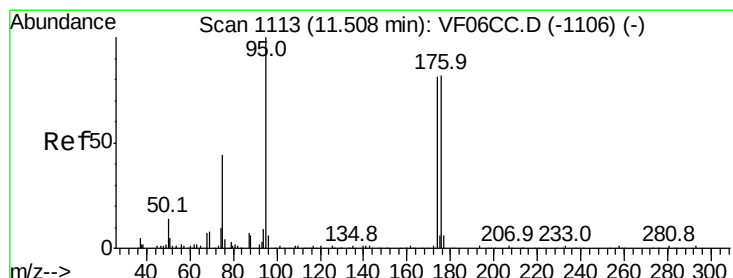
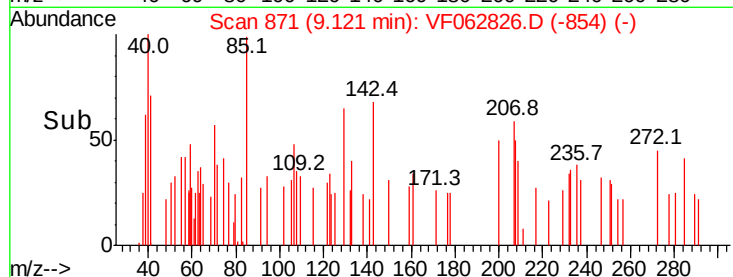
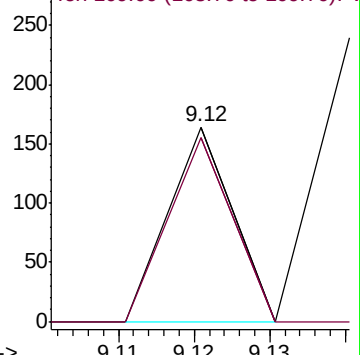
107 100

109 94.5 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 91.609 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.07 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

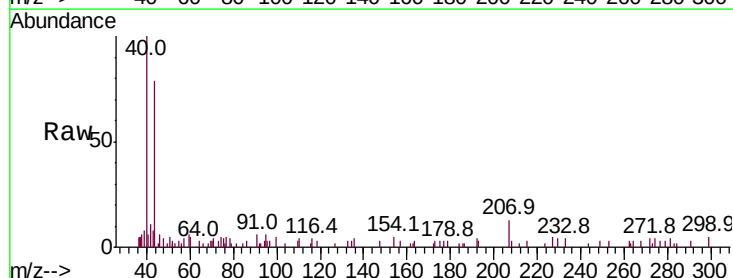
Tgt Ion: 95 Resp: 823

Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

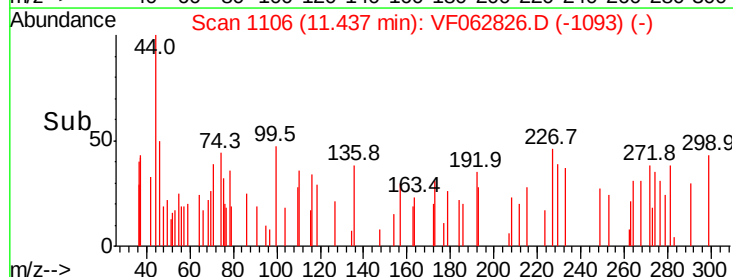
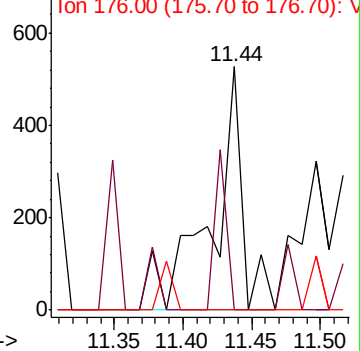
176 0.0 0.0 170.6

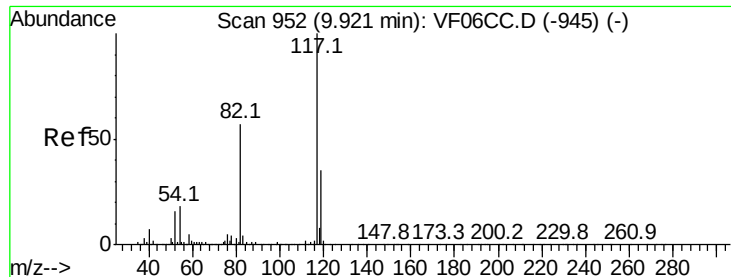


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

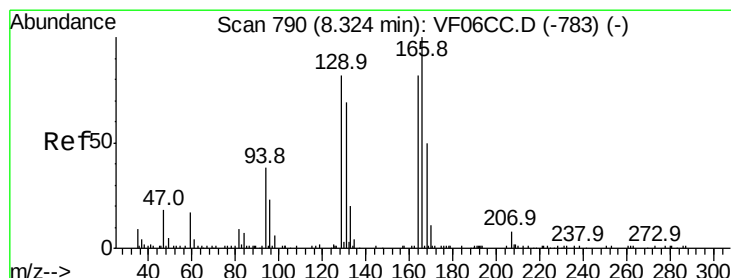
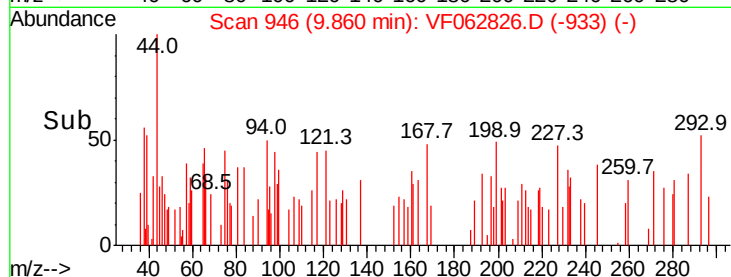
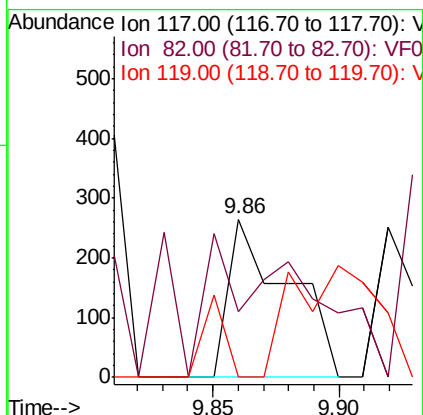
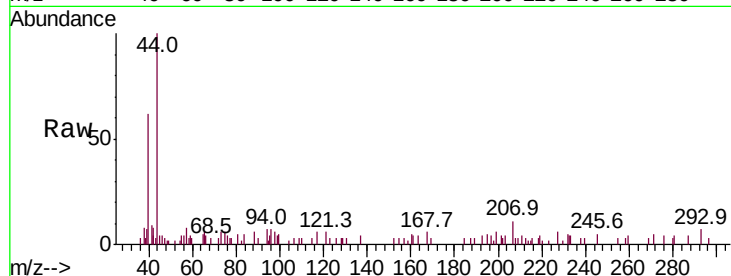




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.86 min Scan# 946
Delta R.T. -0.07 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

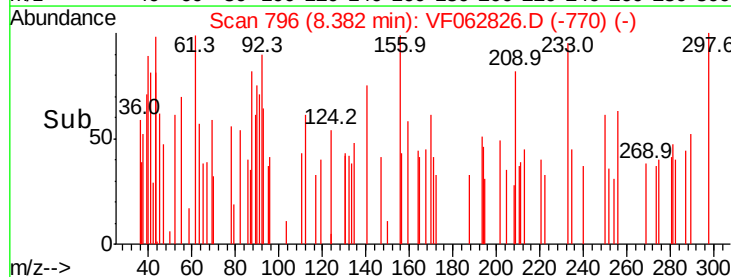
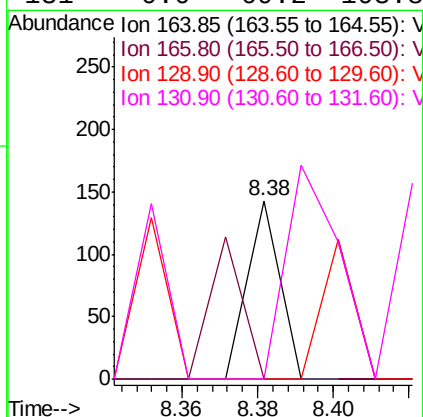
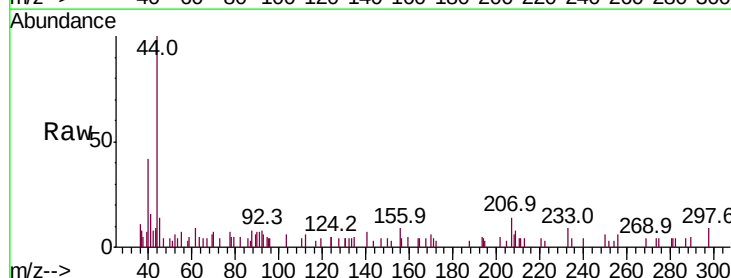
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

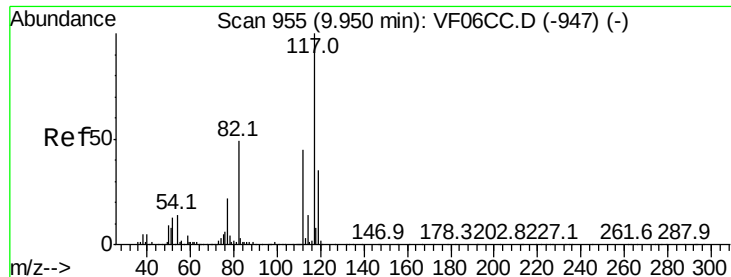
Tot Ion:117 Resp: 436
Ion Ratio Lower Upper
117 100
82 41.9 42.4 63.6#
119 0.0 27.1 40.7#



#64
Tetrachloroethene
Concen: 25.370 ug/l
RT: 8.38 min Scan# 796
Delta R.T. 0.06 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:164 Resp: 85
Ion Ratio Lower Upper
164 100
166 0.0 99.1 148.7#
129 0.0 69.5 104.3#
131 0.0 69.2 103.8#





#65

Chlorobenzene

Concen: 21.497 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

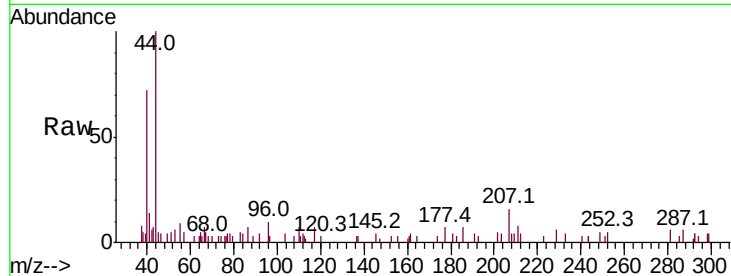
ROLL-OFF-COMP

Tot Ion:112 Resp: 181

Ion Ratio Lower Upper

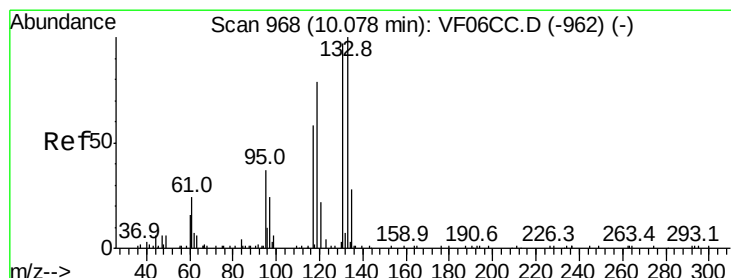
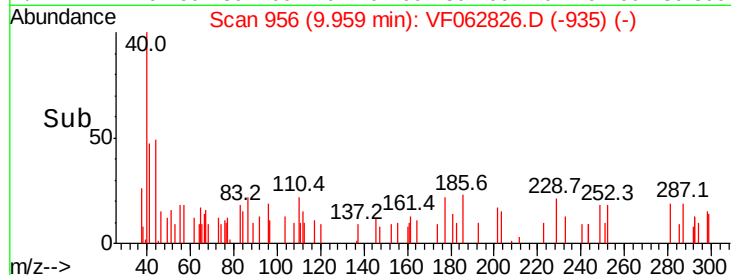
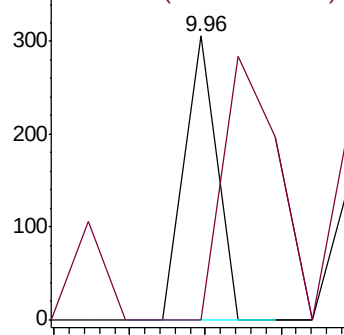
112 100

114 0.0 27.4 41.0#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.682 ug/l

RT: 10.09 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

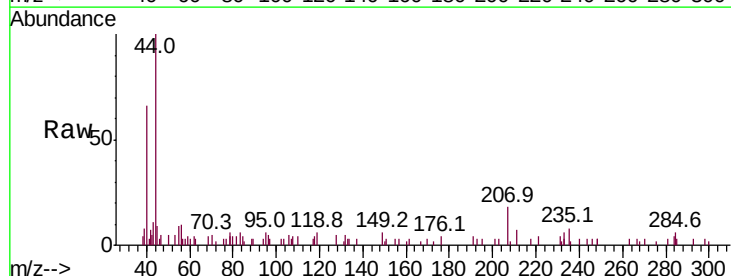
Tgt Ion:131 Resp: 66

Ion Ratio Lower Upper

131 100

133 127.7 48.9 146.7

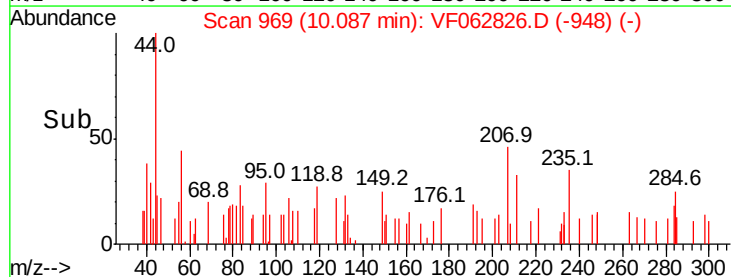
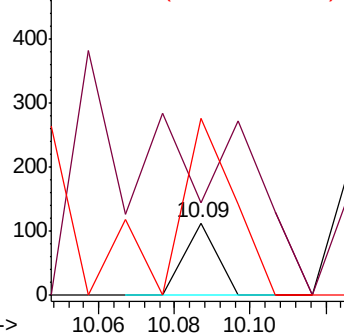
119 246.4 38.0 114.0#

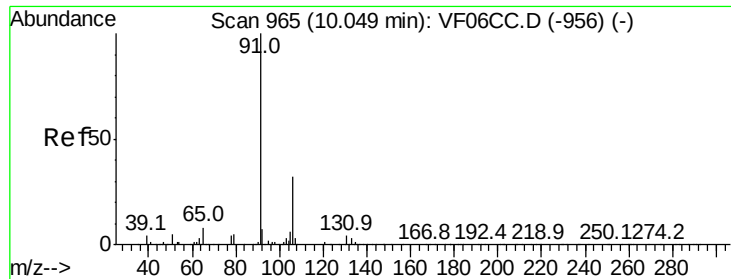


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

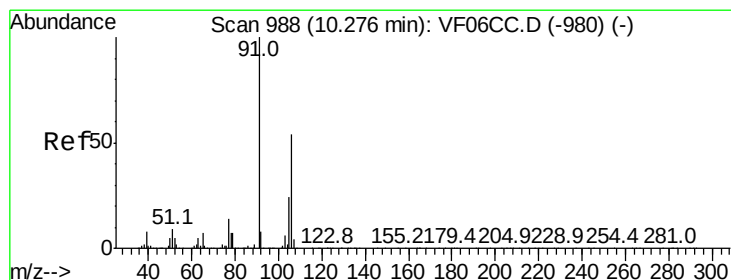
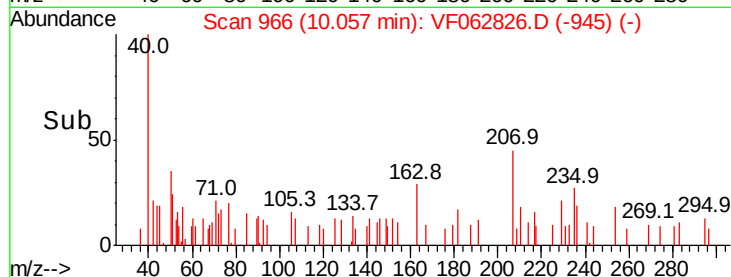
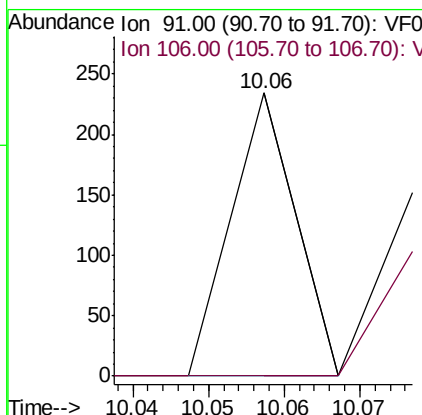
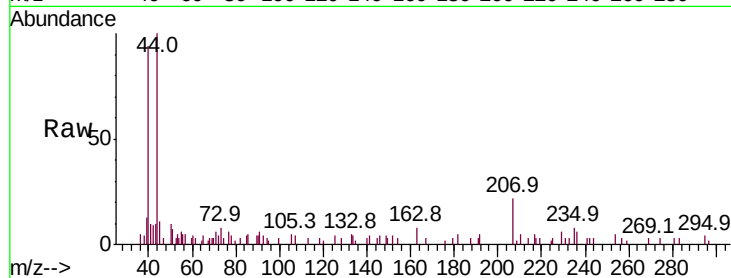




#67
Ethyl Benzene
Concen: 9.551 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

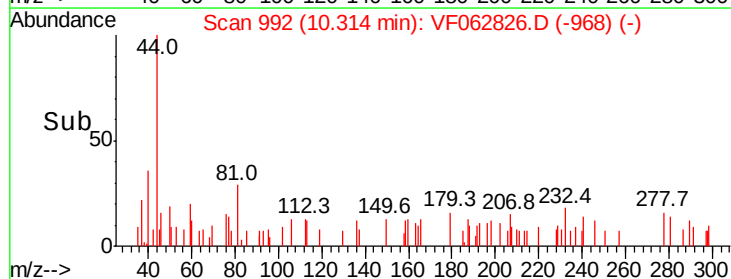
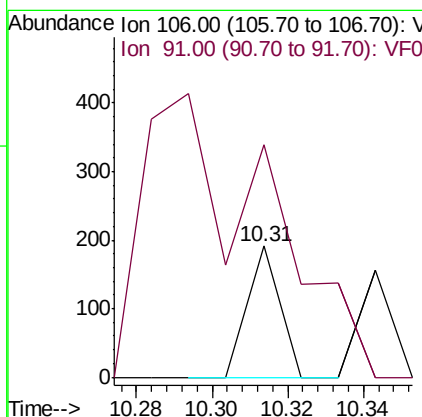
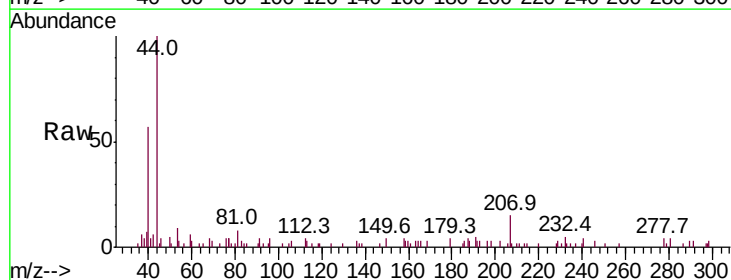
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

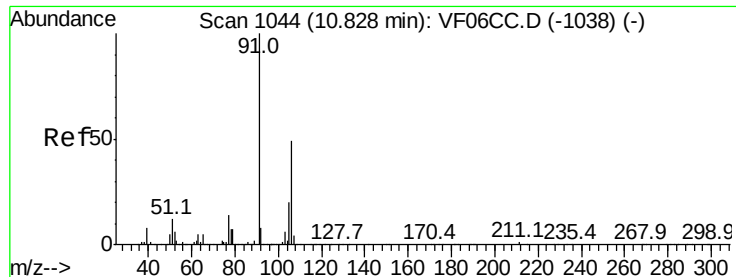
Tot Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
106 0.0 26.0 39.0#



#68
m/p-Xylenes
Concen: 20.438 ug/l
RT: 10.31 min Scan# 992
Delta R.T. 0.04 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:106 Resp: 113
Ion Ratio Lower Upper
106 100
91 177.5 136.2 204.4

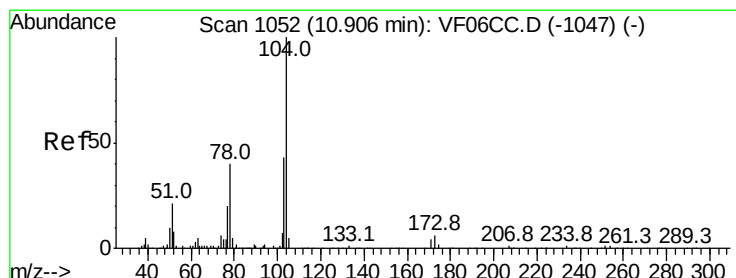
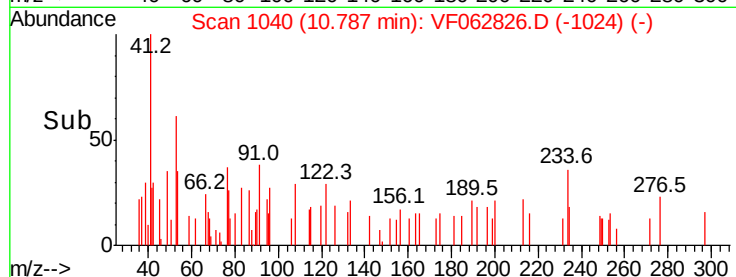
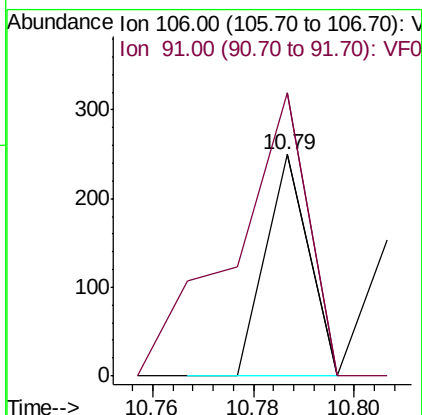
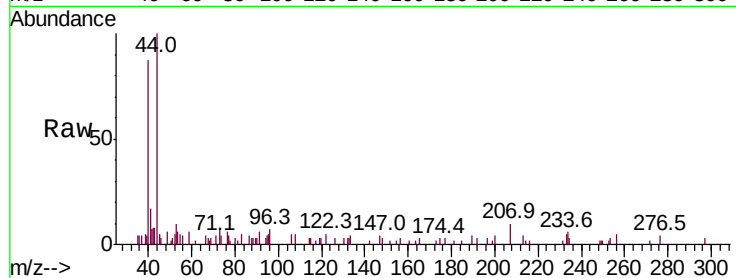




#69
o-Xylene
Concen: 26.438 ug/l
RT: 10.79 min Scan# 1040
Delta R.T. -0.04 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

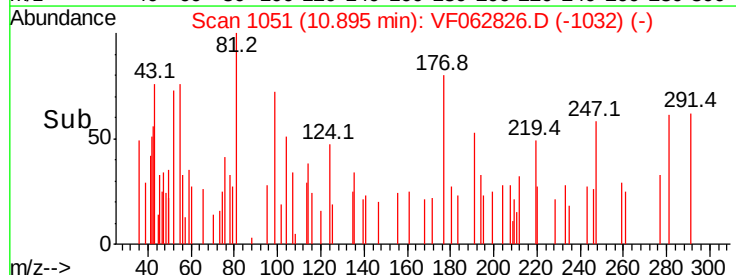
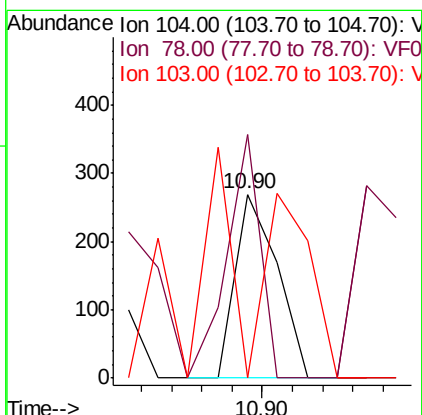
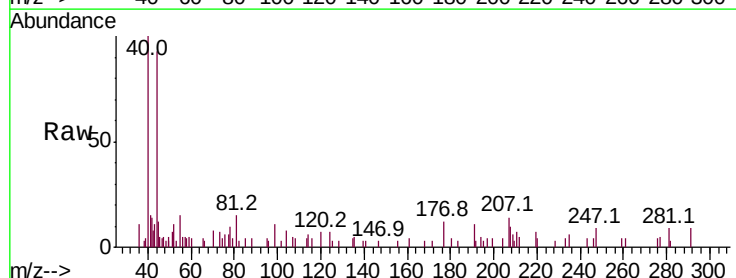
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

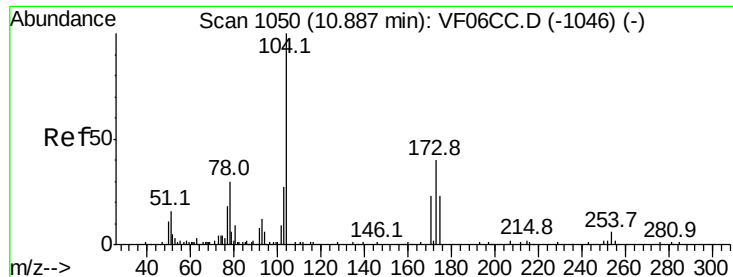
Tot Ion:106 Resp: 148
Ion Ratio Lower Upper
106 100
91 127.6 96.6 289.8



#70
Styrene
Concen: 31.390 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:104 Resp: 259
Ion Ratio Lower Upper
104 100
78 132.7 30.8 46.2#
103 0.0 35.8 53.6#





#71

Bromoform

Concen: 62.787 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

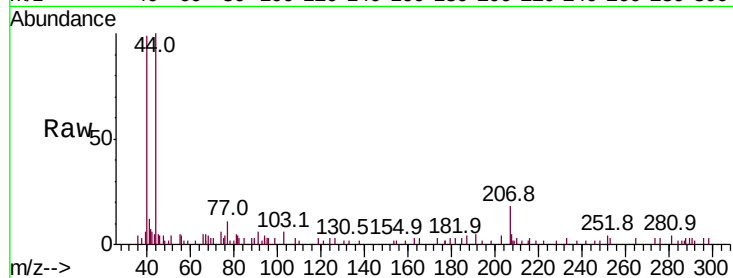
Tot Ion:173 Resp: 101

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

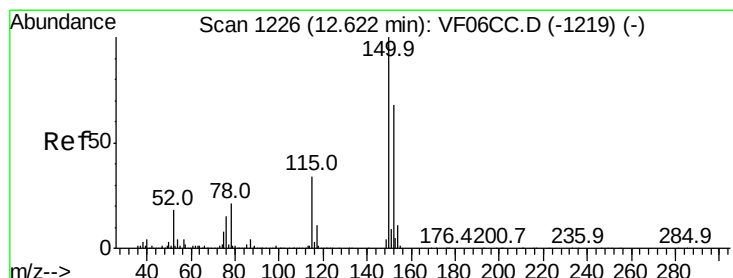
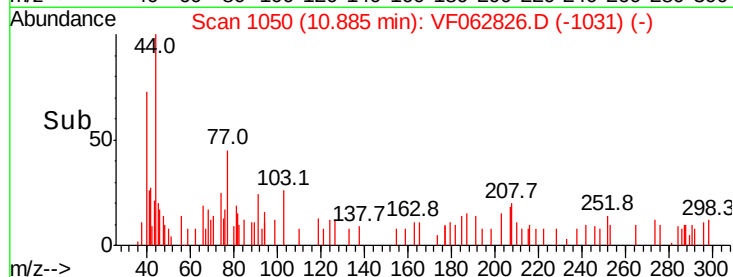
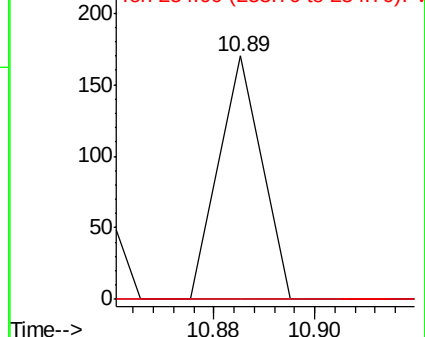
254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

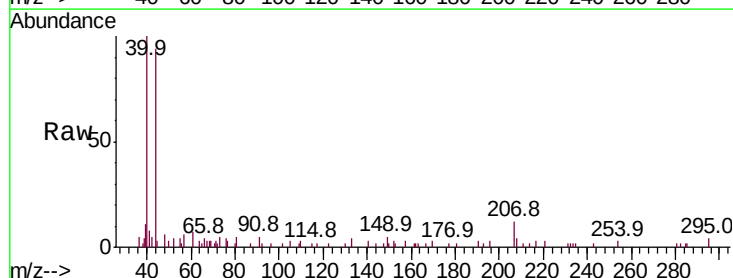
Tgt Ion:152 Resp: 95

Ion Ratio Lower Upper

152 100

115 64.6 24.6 74.0

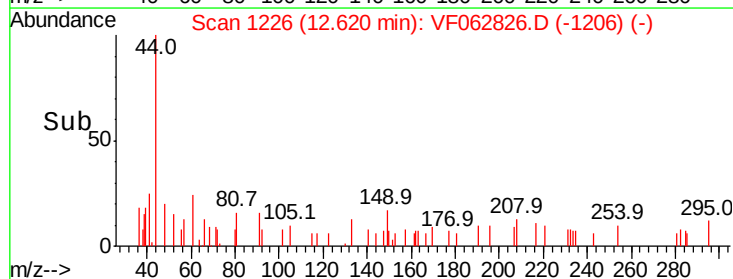
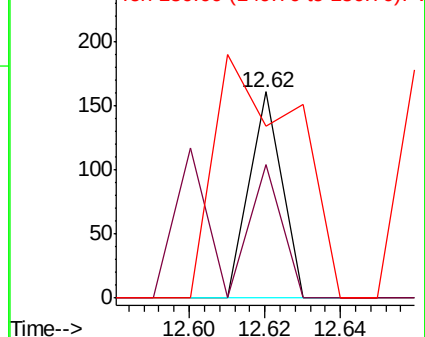
150 83.2 0.0 290.6

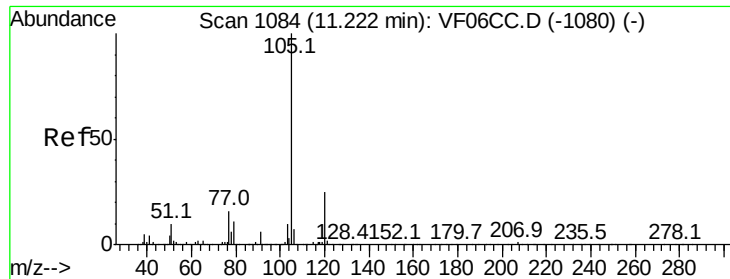


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.590 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

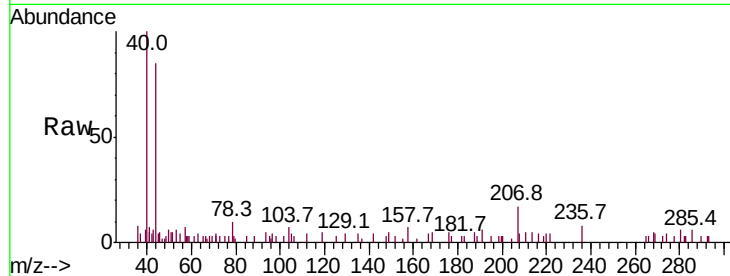
ROLL-OFF-COMP

Tot Ion:105 Resp: 163

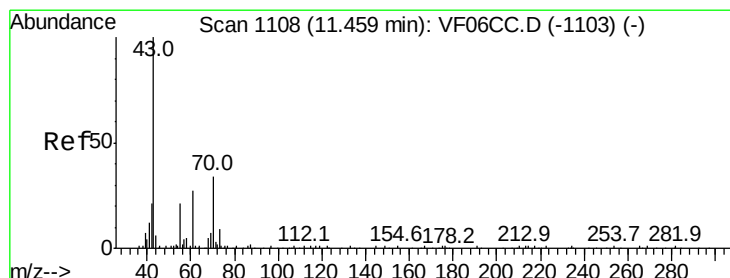
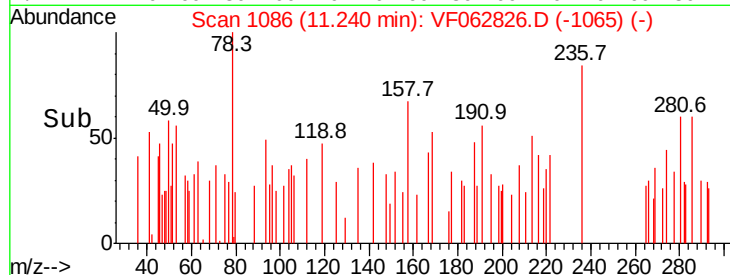
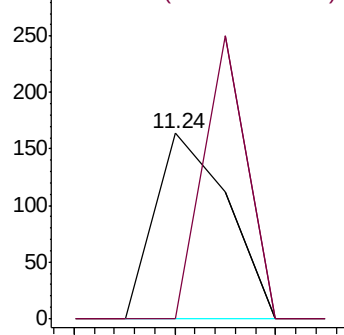
Ion Ratio Lower Upper

105 100

120 0.0 15.1 45.3#



Abundance Ion 105.00 (104.70 to 105.70): V



#74

N-ethyl acetate

Concen: 1264.280 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. -0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Tgt Ion: 43 Resp: 2362

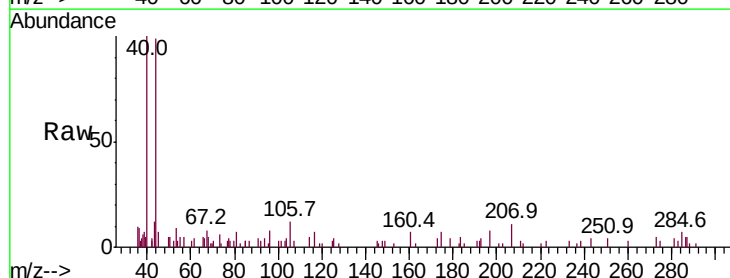
Ion Ratio Lower Upper

43 100

70 29.4 32.9 49.3#

55 39.3 17.3 25.9#

61 31.4 23.7 35.5

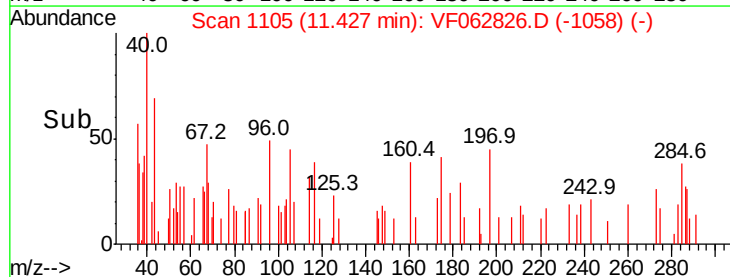
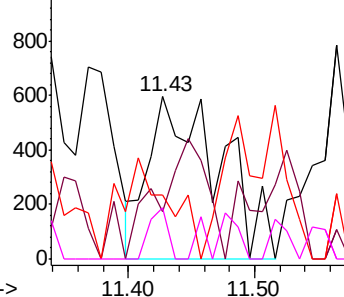


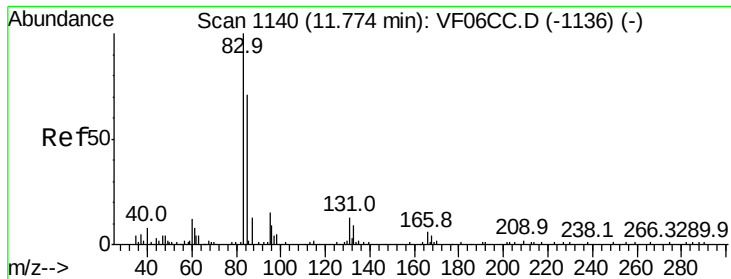
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.101 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

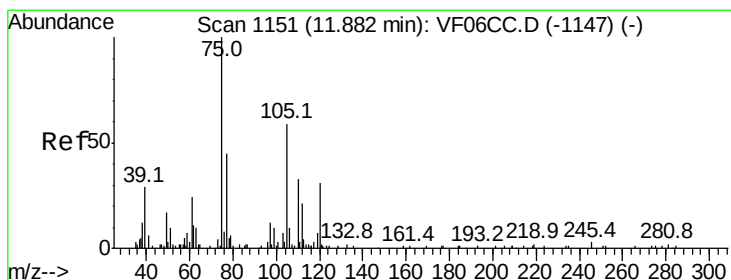
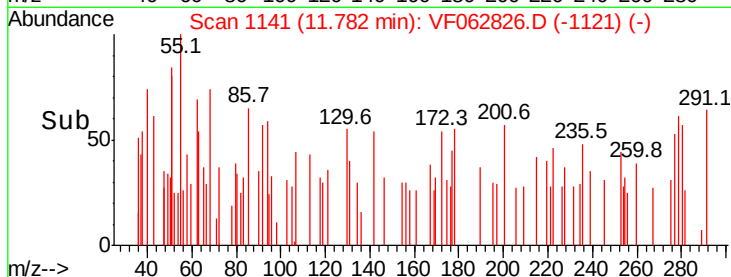
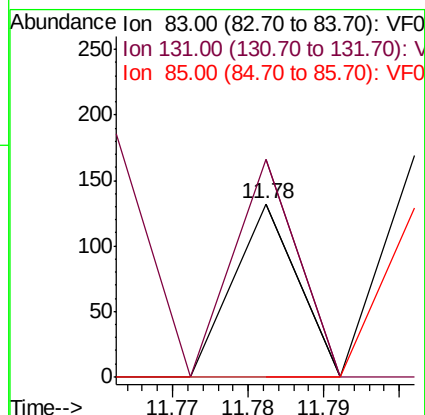
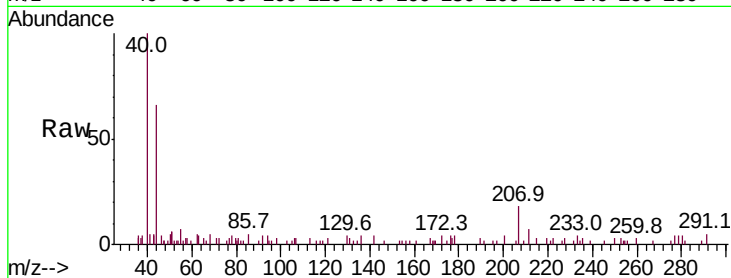
Tot Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

131 125.8 4.9 14.7#

85 206.8 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 300.536 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.07 min

Lab File: VF062826.D

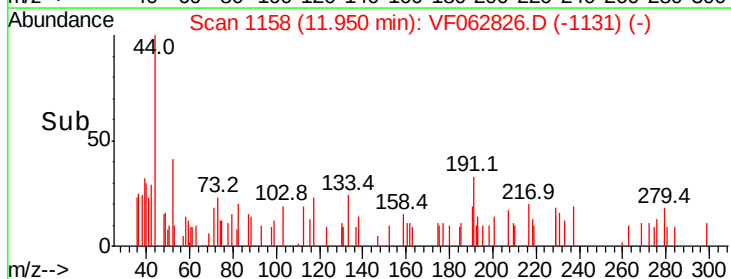
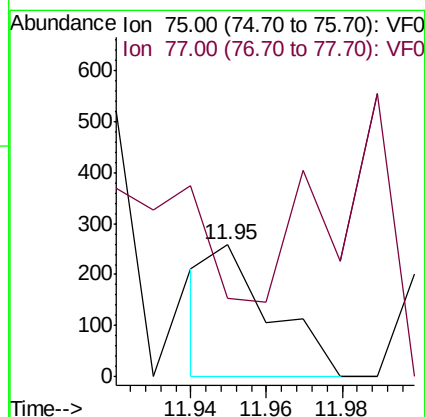
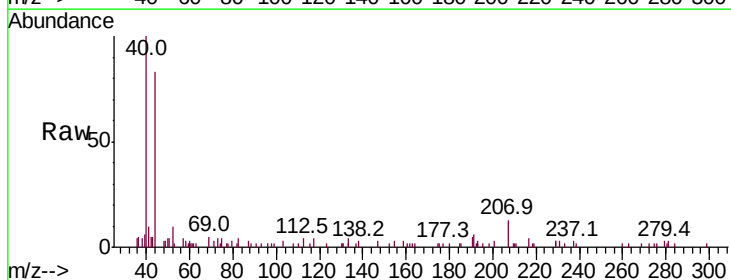
Acq: 3 Jun 2019 14:00

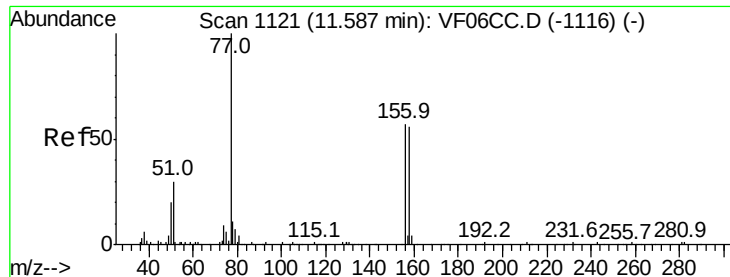
Tgt Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

77 59.7 20.1 60.2





#77

Bromobenzene

Concen: 41.428 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

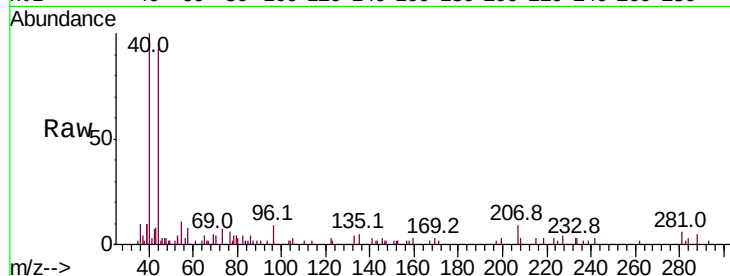
Tot Ion:156 Resp: 69

Ion Ratio Lower Upper

156 100

77 372.4 64.2 192.6#

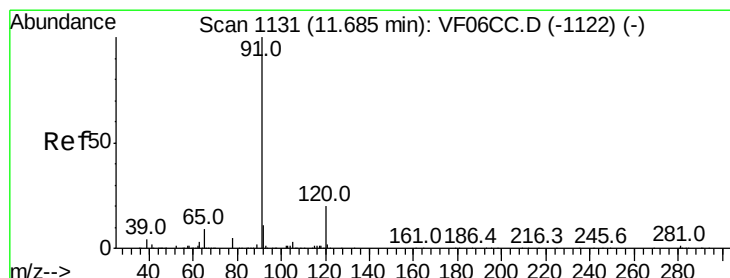
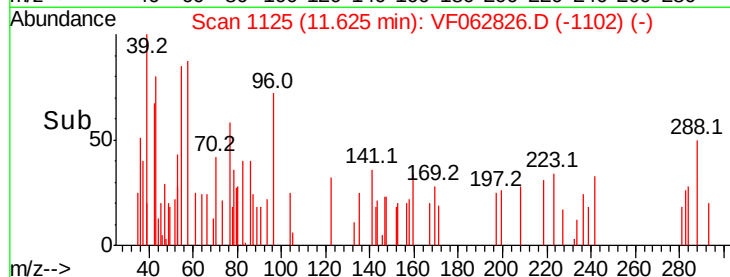
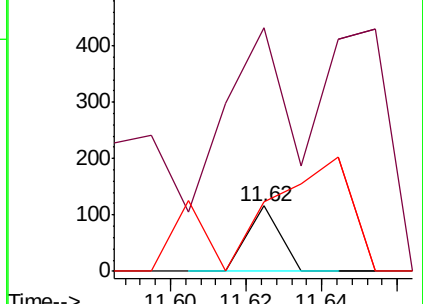
158 106.0 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 102.327 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062826.D

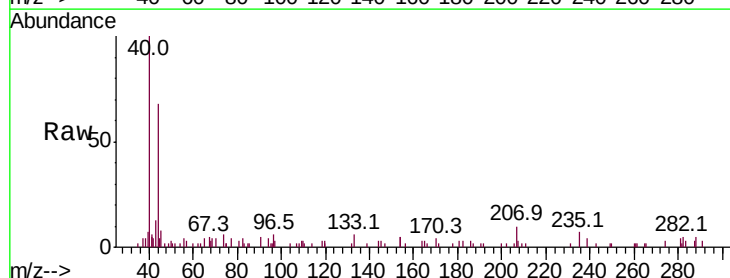
Acq: 3 Jun 2019 14:00

Tgt Ion: 91 Resp: 819

Ion Ratio Lower Upper

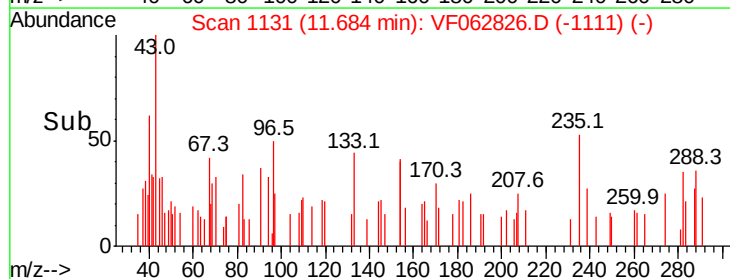
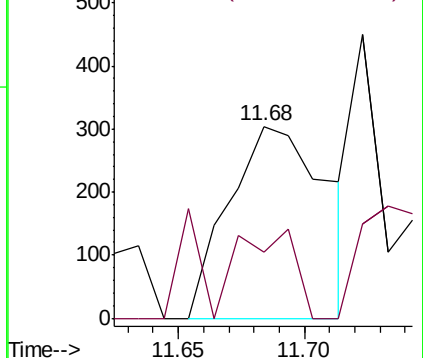
91 100

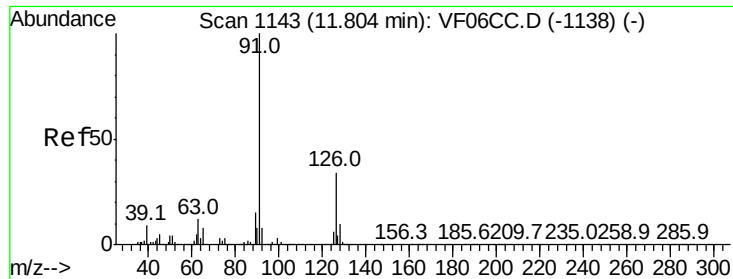
120 34.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

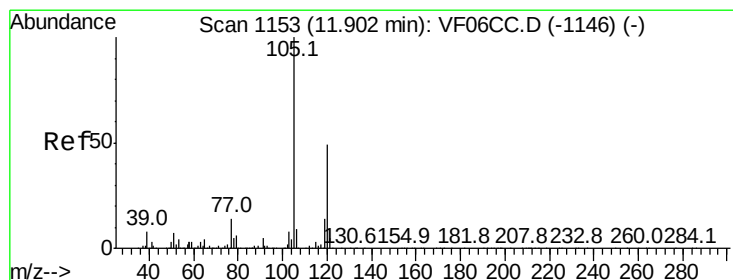
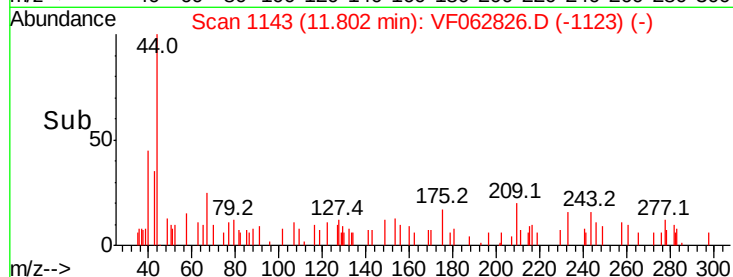
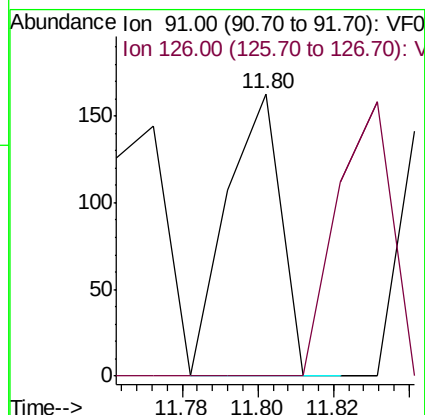
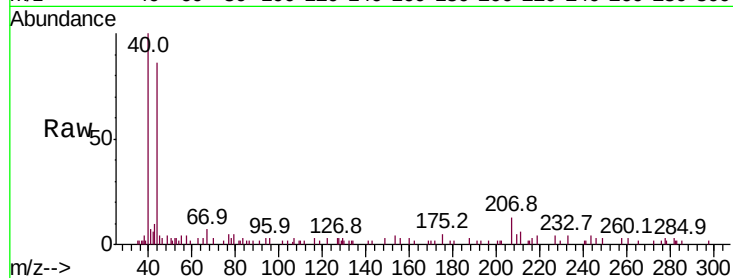




#79
2-Chlorotoluene
Concen: 34.937 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

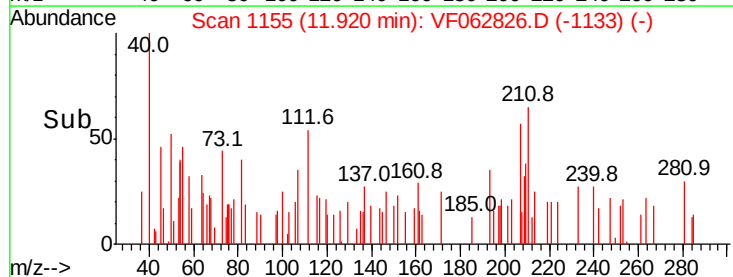
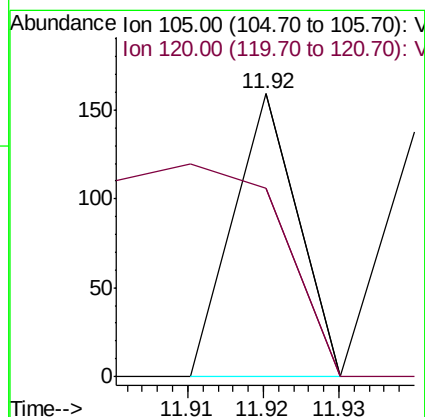
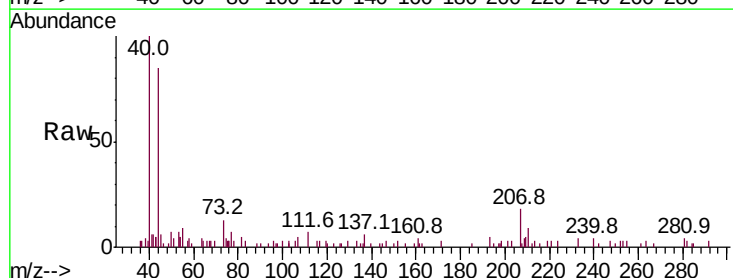
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

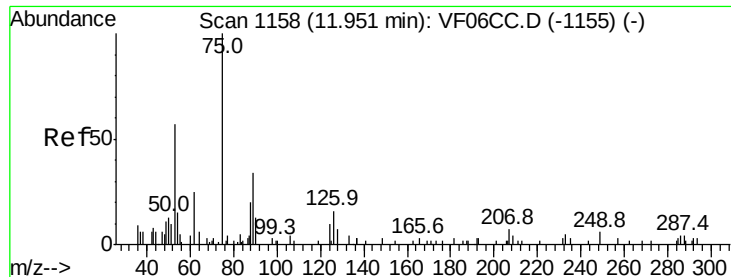
Tot Ion: 91 Resp: 160
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#



#80
1,3,5-Trimethylbenzene
Concen: 17.340 ug/l
RT: 11.92 min Scan# 1155
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:105 Resp: 94
Ion Ratio Lower Upper
105 100
120 66.7 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 709.867 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

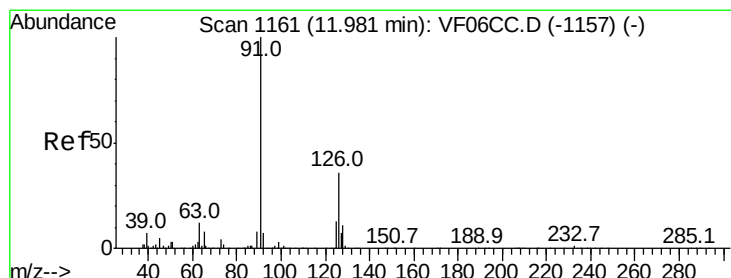
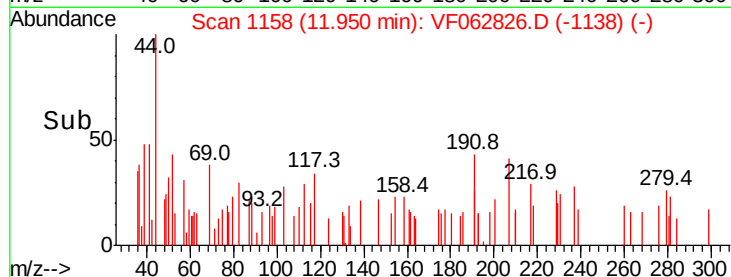
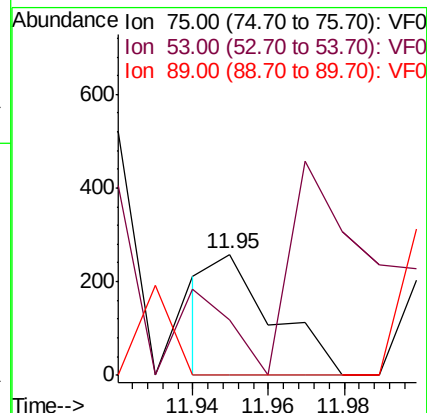
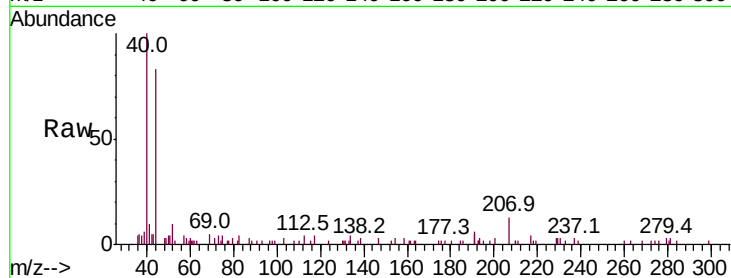
Tot Ion: 75 Resp: 282

Ion Ratio Lower Upper

75 100

53 45.7 43.5 65.3

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 74.211 ug/l

RT: 12.09 min Scan# 1172

Delta R.T. 0.10 min

Lab File: VF062826.D

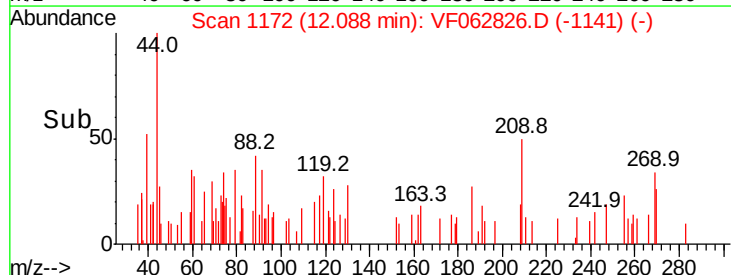
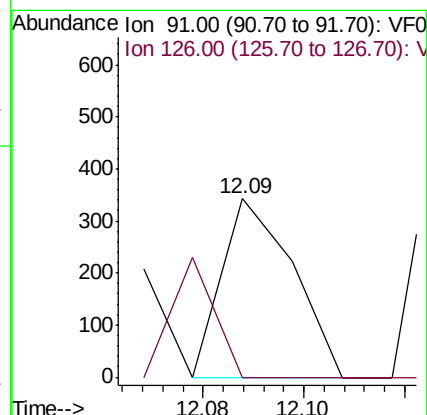
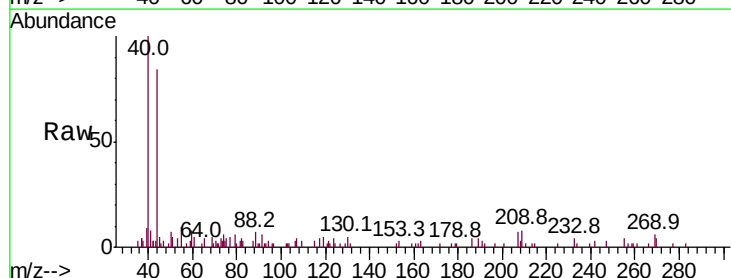
Acq: 3 Jun 2019 14:00

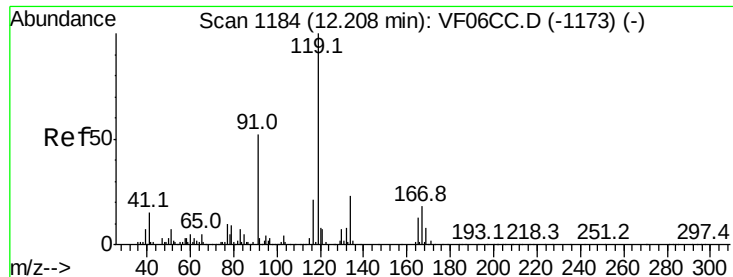
Tgt Ion: 91 Resp: 334

Ion Ratio Lower Upper

91 100

126 39.2 19.1 57.1

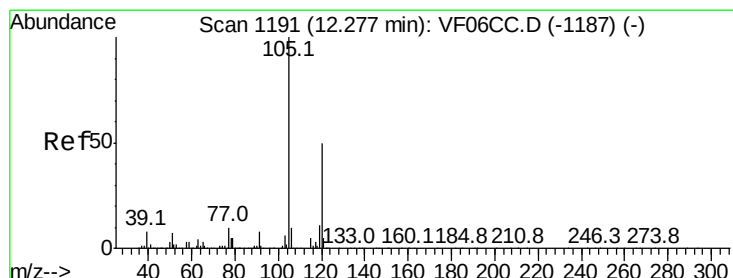
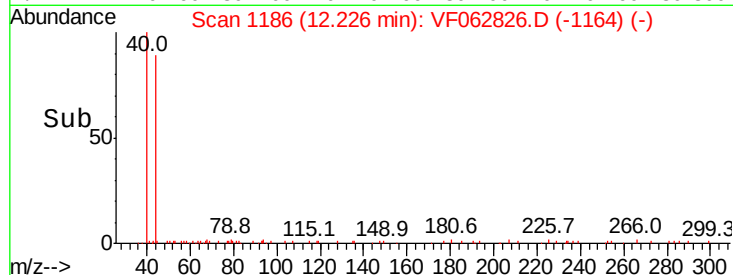
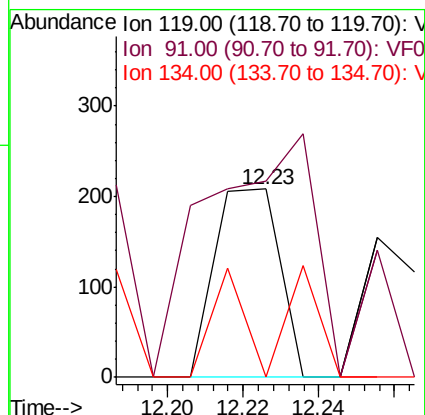
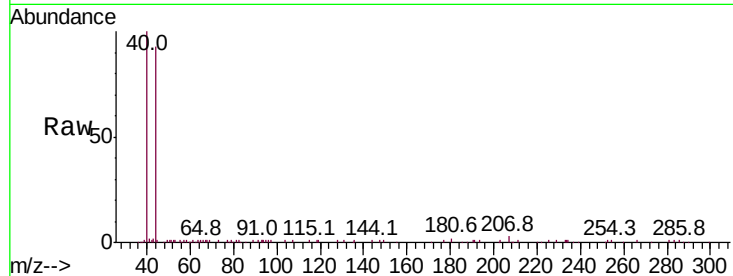




#83
tert-Butylbenzene
Concen: 45.612 ug/l
RT: 12.23 min Scan# 1186
Delta R.T. 0.02 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

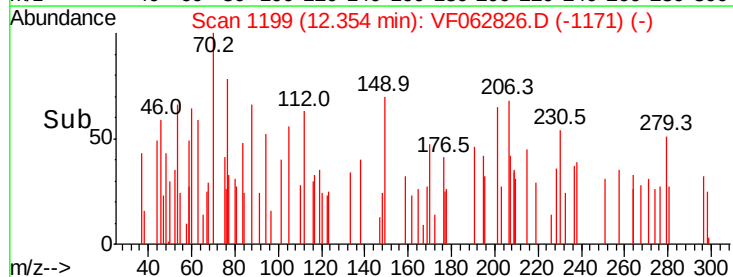
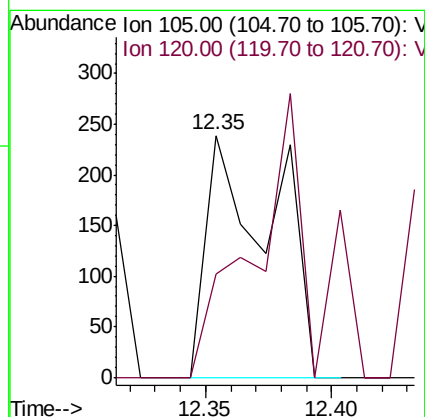
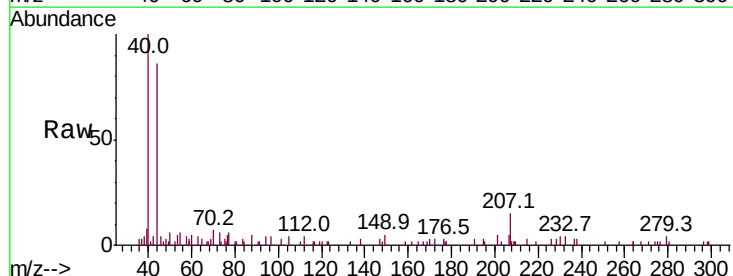
Instrument :
MSVOA_F
ClientSampleId :
ROLL-OFF-COMP

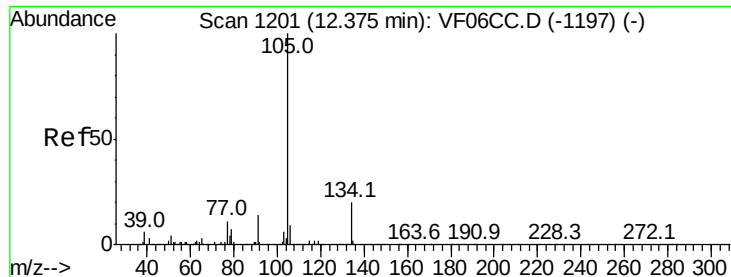
Tot Ion:119 Resp: 245
Ion Ratio Lower Upper
119 100
91 104.3 28.9 86.7#
134 0.0 14.3 42.9#



#84
1,2,4-Trimethylbenzene
Concen: 85.413 ug/l
RT: 12.35 min Scan# 1199
Delta R.T. 0.08 min
Lab File: VF062826.D
Acq: 3 Jun 2019 14:00

Tgt Ion:105 Resp: 439
Ion Ratio Lower Upper
105 100
120 42.7 27.1 81.3





#85

sec-Butylbenzene

Concen: 62.024 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

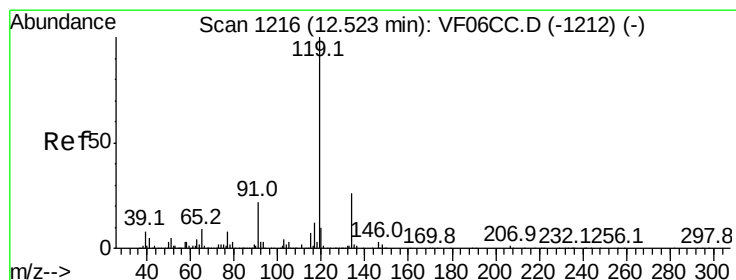
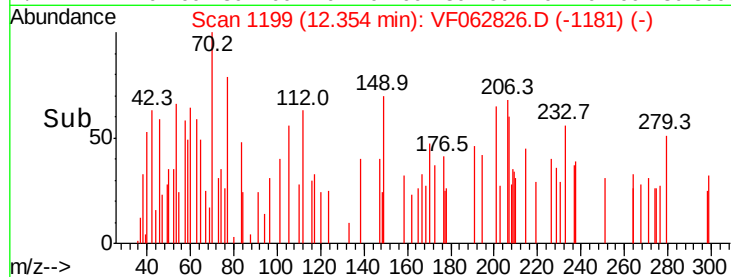
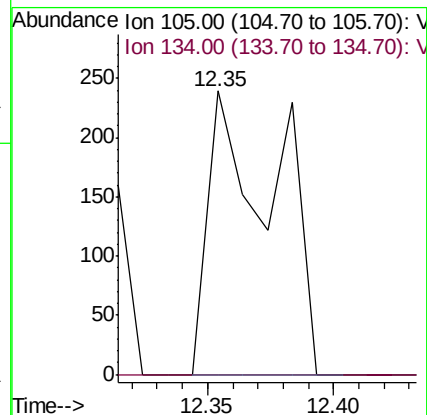
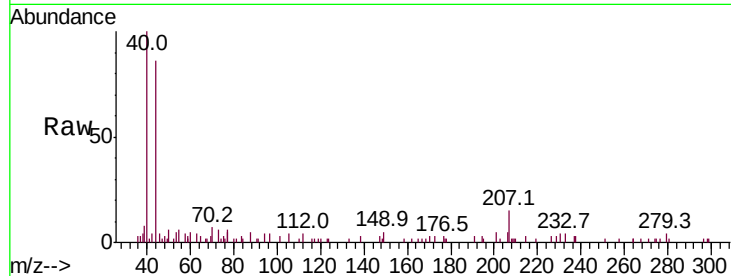
ROLL-OFF-COMP

Tot Ion:105 Resp: 439

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 56.693 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

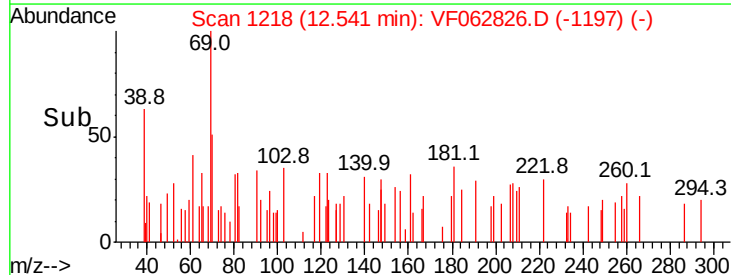
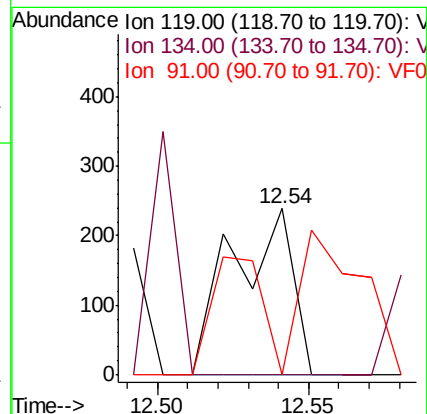
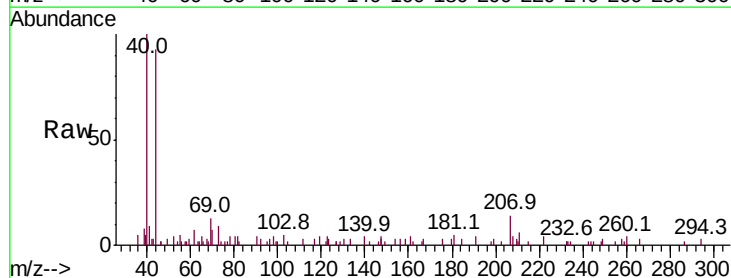
Tgt Ion:119 Resp: 334

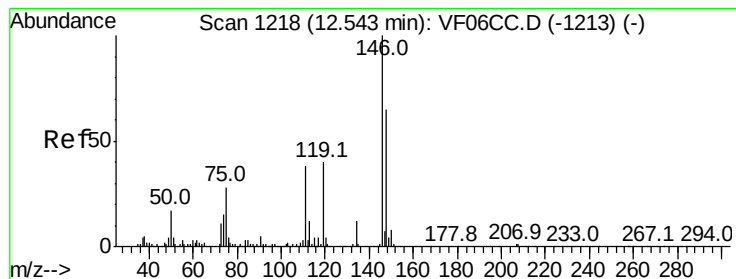
Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

91 0.0 10.3 30.9#





#87

1,3-Dichlorobenzene

Concen: 49.365 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

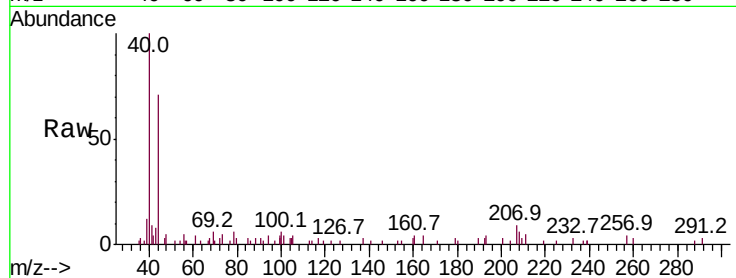
Tot Ion:146 Resp: 145

Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.8#

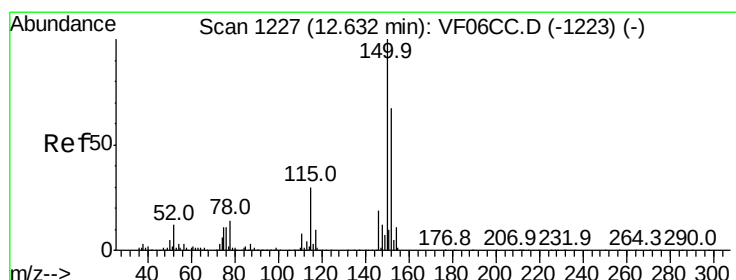
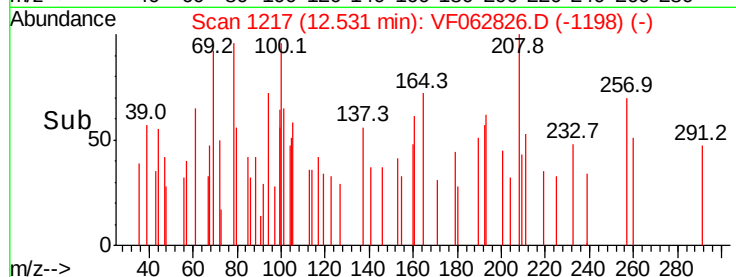
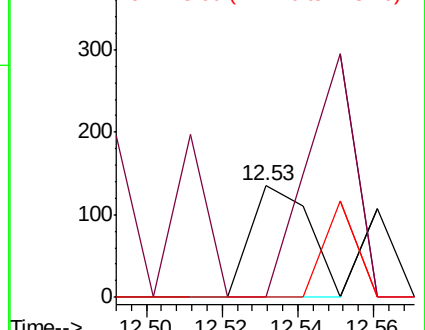
148 0.0 34.2 102.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 29.913 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

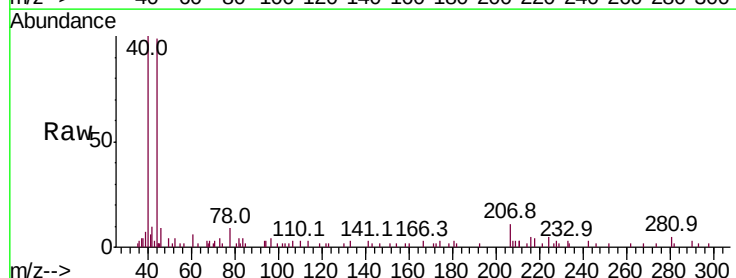
Tgt Ion:146 Resp: 82

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

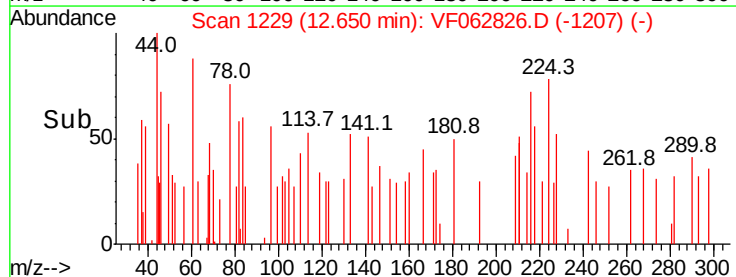
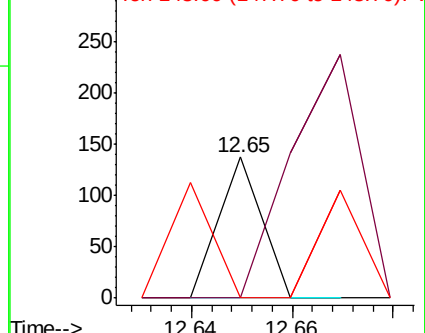
148 0.0 34.0 101.8#

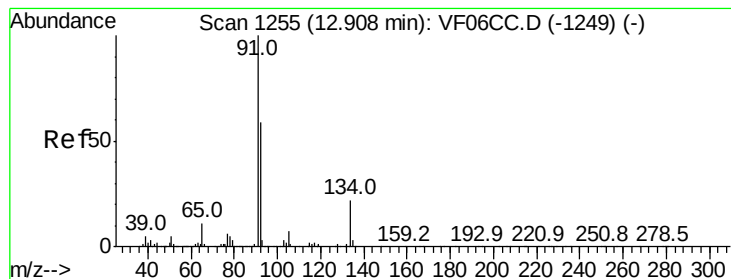


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 14.343 ug/l

RT: 12.88 min Scan# 1252

Delta R.T. -0.03 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

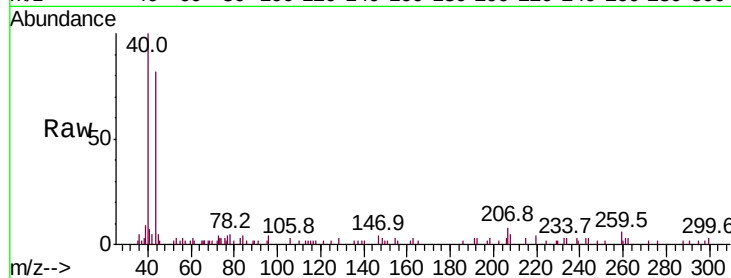
Tot Ion: 91 Resp: 85

Ion Ratio Lower Upper

91 100

92 0.0 34.2 102.6#

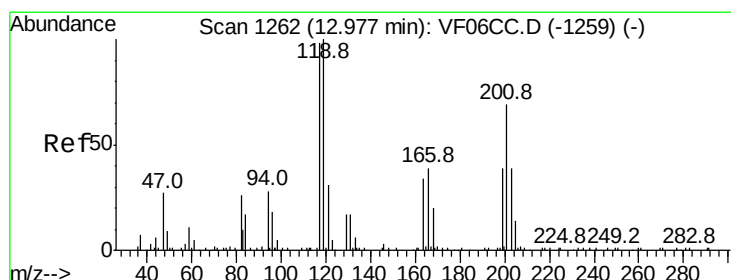
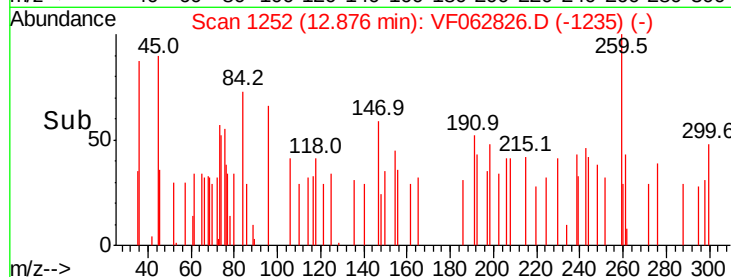
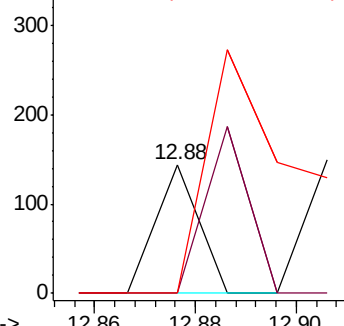
134 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 182.340 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF062826.D

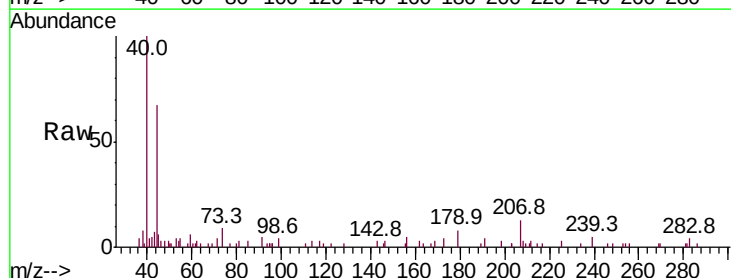
Acq: 3 Jun 2019 14:00

Tgt Ion: 117 Resp: 262

Ion Ratio Lower Upper

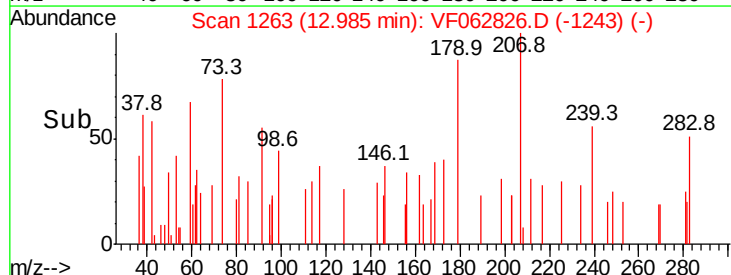
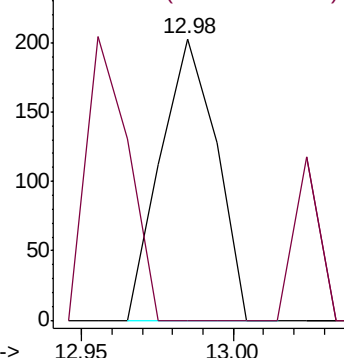
117 100

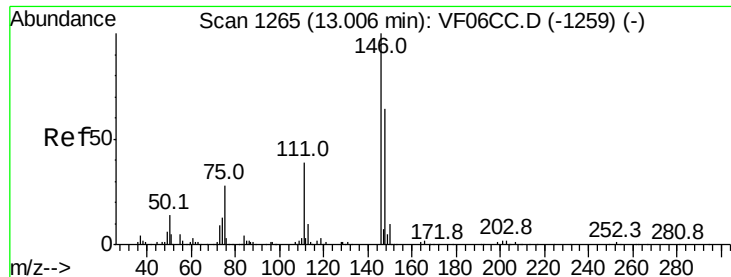
201 0.0 38.9 116.7#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 81.340 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

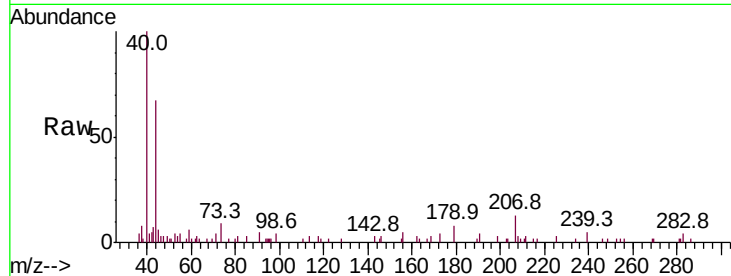
Tot Ion:146 Resp: 210

Ion Ratio Lower Upper

146 100

111 68.8 20.4 61.3#

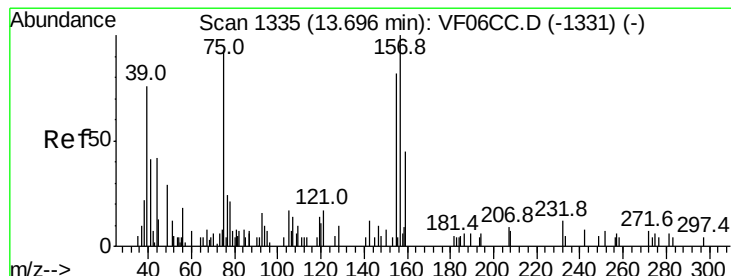
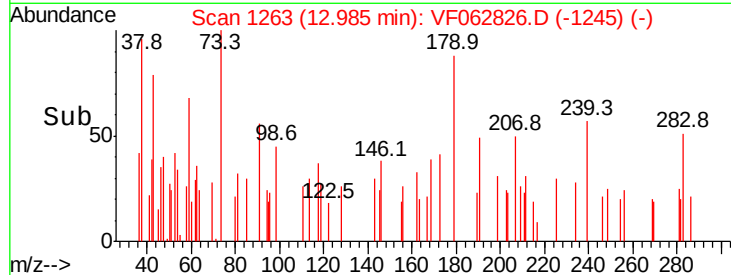
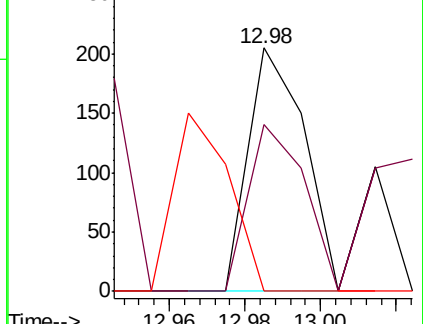
148 0.0 34.1 102.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 959.652 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

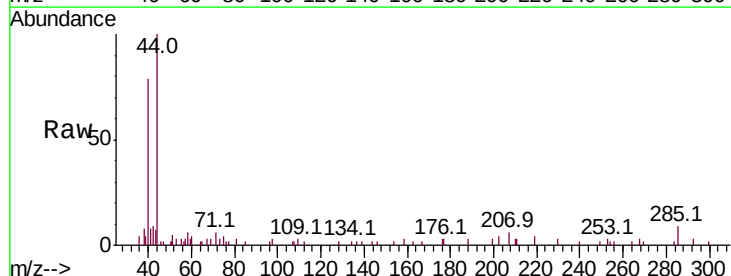
Tgt Ion: 75 Resp: 148

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

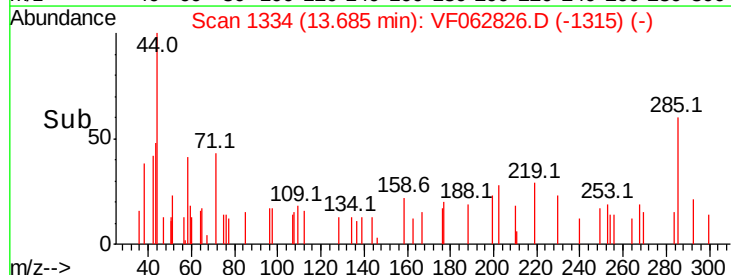
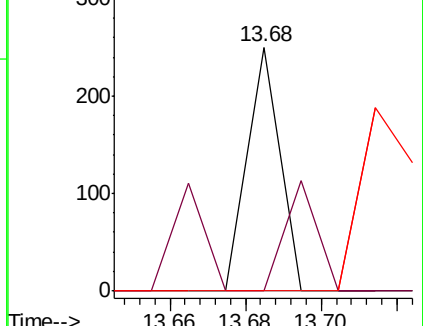
157 0.0 66.8 200.6#

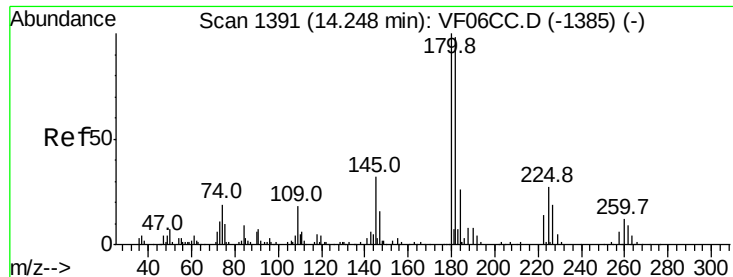


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

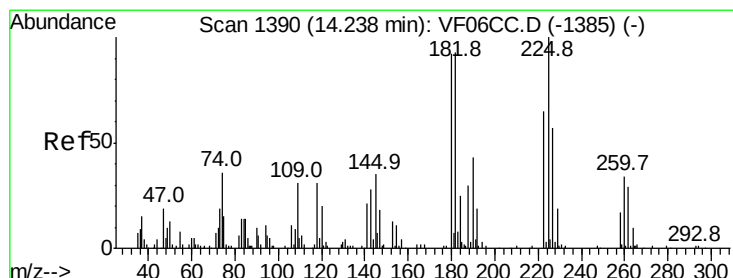
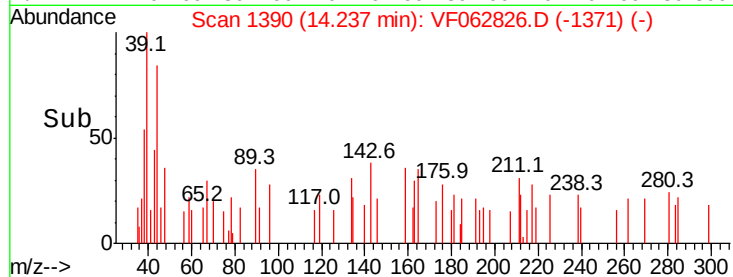
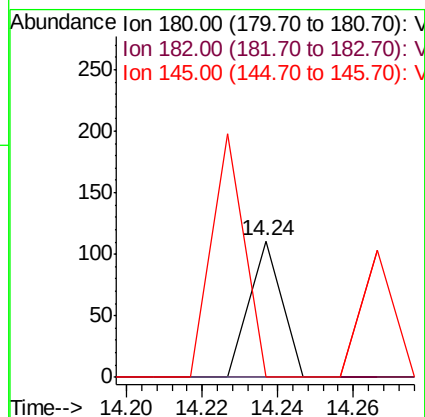
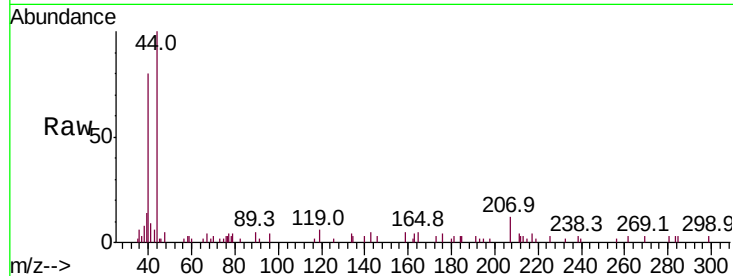




#93
 1,2,4-Trichlorobenzene
 Concen: 37.232 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

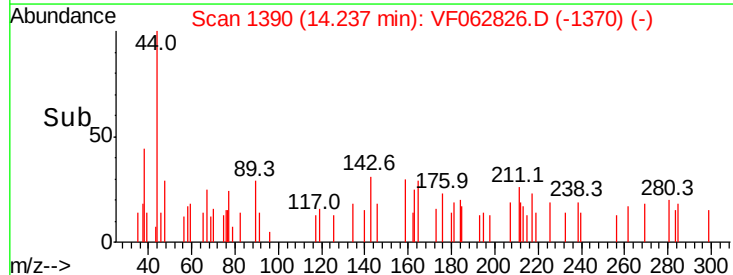
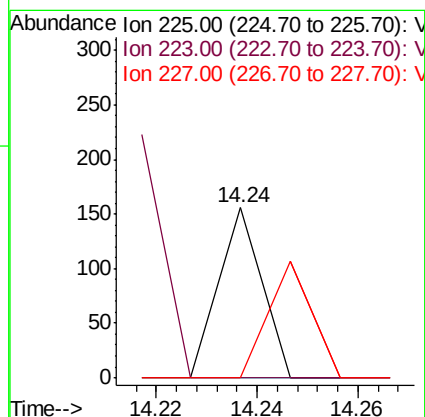
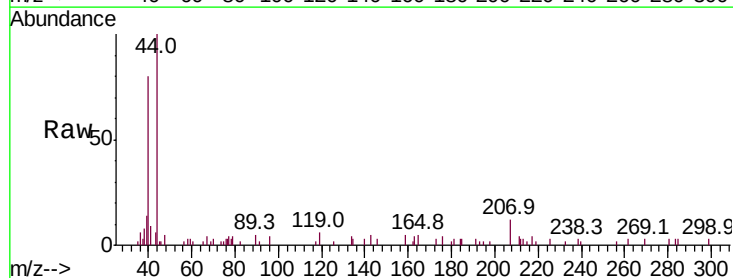
Instrument :
 MSVOA_F
 ClientSampleId :
 ROLL-OFF-COMP

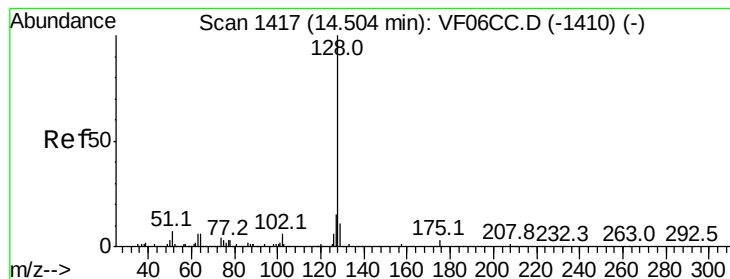
Tot Ion:180 Resp: 66
 Ion Ratio Lower Upper
 180 100
 182 0.0 50.3 150.9#
 145 0.0 15.4 46.2#



#94
 Hexachlorobutadiene
 Concen: 75.020 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062826.D
 Acq: 3 Jun 2019 14:00

Tgt Ion:225 Resp: 92
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.8 92.4#
 227 0.0 31.9 95.5#





#95

Naphthalene

Concen: 22.726 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Instrument :

MSVOA_F

ClientSampleId :

ROLL-OFF-COMP

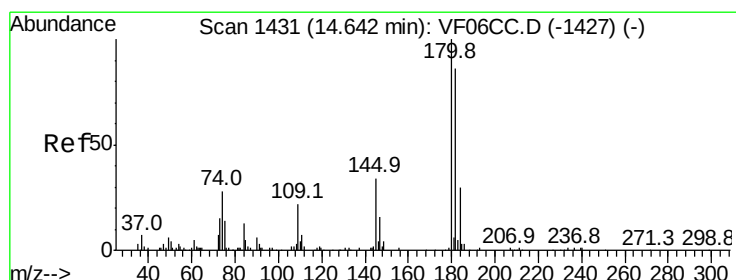
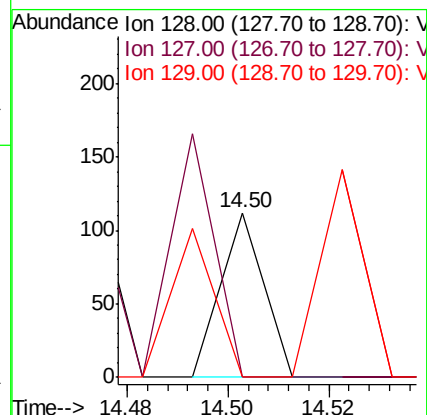
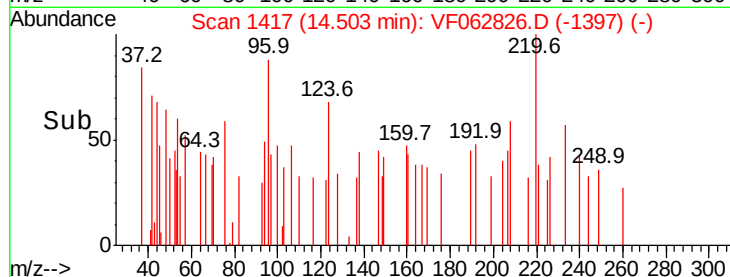
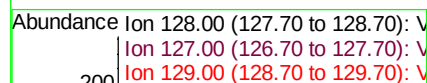
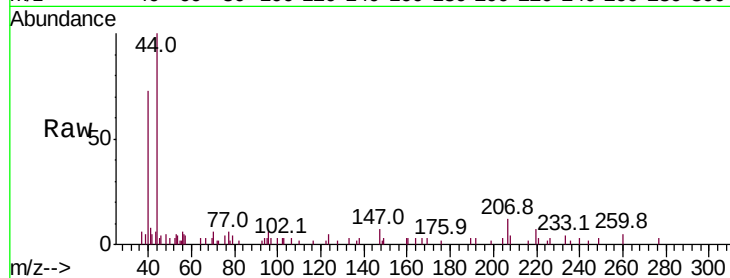
Tot Ion:128 Resp: 66

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 0.0 9.4 14.2#



#96

1,2,3-Trichlorobenzene

Concen: 46.968 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.02 min

Lab File: VF062826.D

Acq: 3 Jun 2019 14:00

Tgt Ion:180 Resp: 76

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.7 47.0#

