

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011619\
 Data File : VF061425.D
 Acq On : 16 Jan 2019 21:36
 Operator : VA/AP
 Sample : K1167-09RE
 Misc : 6.53q/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CLOVER-YARD-ARE

Quant Time: Jan 17 02:57:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	1158	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	66	6.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.34%	
35) Dibromofluoromethane	4.11	113	246	26.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.84%	
50) Toluene-d8	7.53	98	817	32.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	65.26%	
62) 4-Bromofluorobenzene	11.41	95	193	16.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	33.00%	

Target Compounds						Qvalue
3) Chloromethane	1.09	50	81	6.492	ug/l #	44
4) Vinyl Chloride	1.10	62	121	10.902	ug/l #	43
5) Bromomethane	1.33	94	615	84.977	ug/l #	2
6) Chloroethane	1.29	64	67	13.624	ug/l #	1
7) Trichlorofluoromethane	1.45	101	62	2.874	ug/l #	19
8) Diethyl Ether	1.53	74	96	34.725	ug/l	65
11) Tert butyl alcohol	2.48	59	78	172.350	ug/l #	64
12) 1,1-Dichloroethene	1.76	96	115	14.931	ug/l #	1
13) Acrolein	1.92	56	184	462.837	ug/l	99
14) Allyl chloride	2.08	41	237	26.831	ug/l #	42
15) Acrylonitrile	2.90	53	139	119.905	ug/l #	14
16) Acetone	2.23	43	805	375.306	ug/l #	61
18) Methyl Acetate	2.32	43	322	75.699	ug/l #	61
19) Methyl tert-butyl Ether	2.43	73	86	4.981	ug/l #	59
20) Methylene Chloride	2.15	84	143	18.534	ug/l #	1
21) trans-1,2-Dichloroethene	2.33	96	63	7.434	ug/l #	1
22) Diisopropyl ether	2.76	45	320	11.675	ug/l #	1
23) Vinyl Acetate	3.17	43	1029	87.455	ug/l #	78
24) 1,1-Dichloroethane	2.85	63	76	4.418	ug/l #	85
25) 2-Butanone	4.35	43	73	20.466	ug/l #	57
27) cis-1,2-Dichloroethene	3.49	96	60	4.796	ug/l	1
29) Tetrahydrofuran	4.08	42	123	80.084	ug/l #	38
30) Chloroform	3.72	83	109	4.695	ug/l #	17
31) Cyclohexane	3.54	56	75	4.364	ug/l #	13
36) 1,1-Dichloropropene	4.17	75	67	4.990	ug/l #	44
37) Ethyl Acetate	4.09	43	273	50.867	ug/l #	5
39) Methylcyclohexane	5.47	83	70	4.811	ug/l #	15
40) Benzene	4.50	78	75	2.510	ug/l #	1
41) Methacrylonitrile	4.72	41	234	81.939	ug/l #	51
43) Isopropyl Acetate	6.99	43	176	26.128	ug/l #	51
48) Methyl methacrylate	6.70	41	101	22.329	ug/l #	55
51) 4-Methyl-2-Pentanone	8.24	43	309	62.399	ug/l #	39
59) 2-Hexanone	9.44	43	261	75.584	ug/l #	26

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

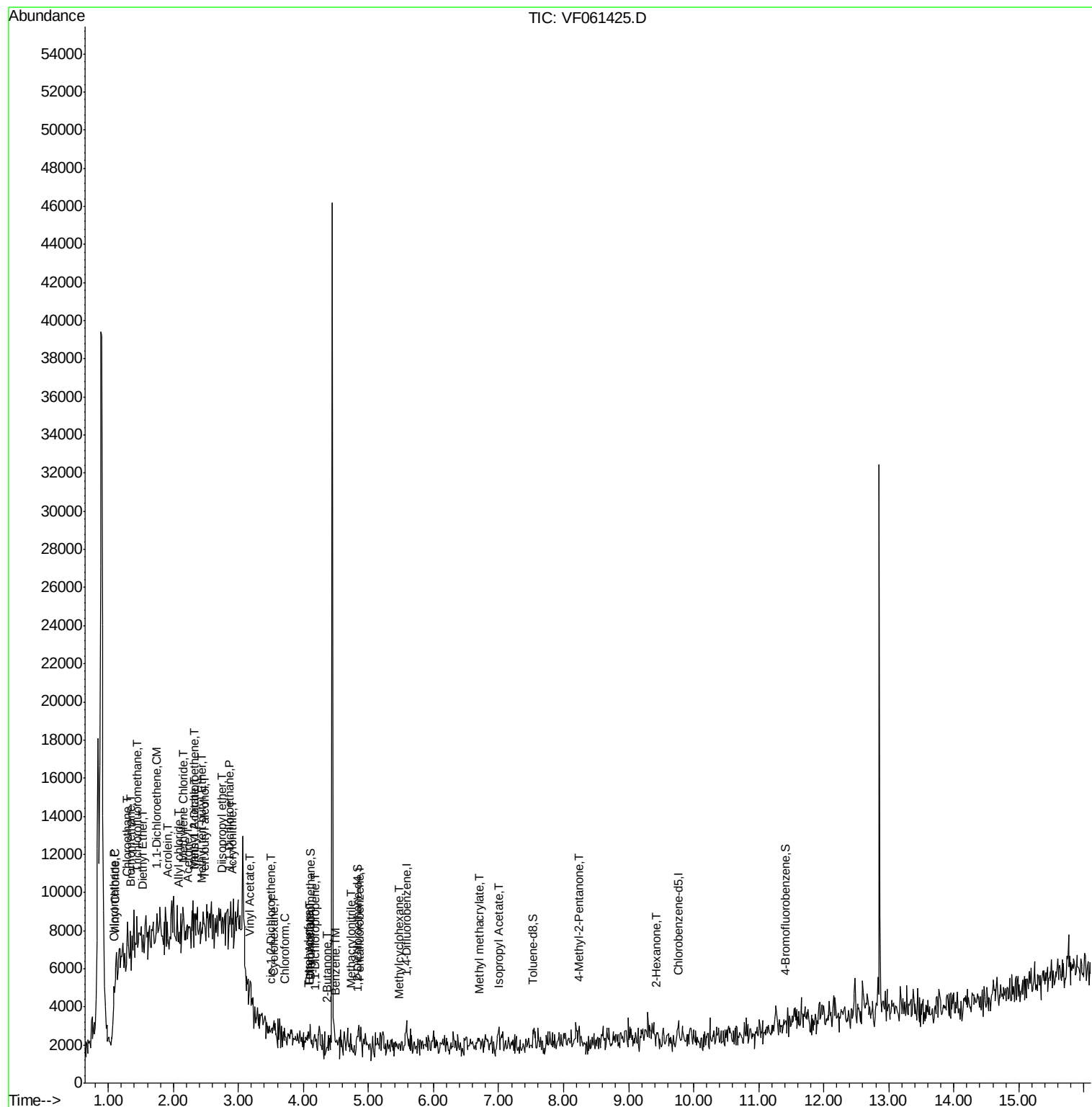
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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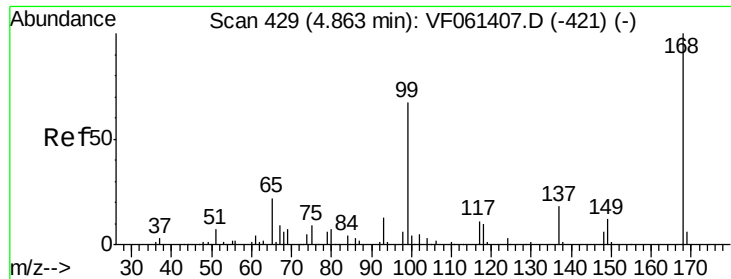
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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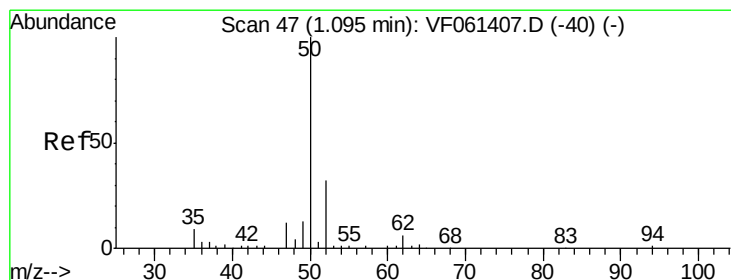
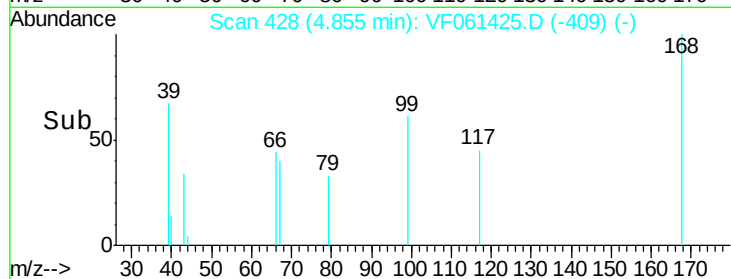
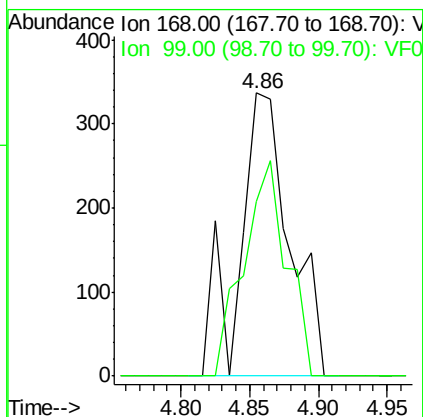
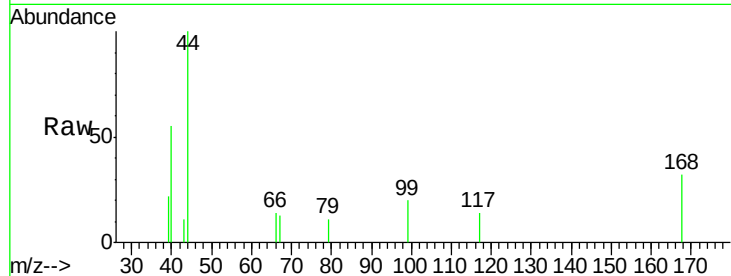




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

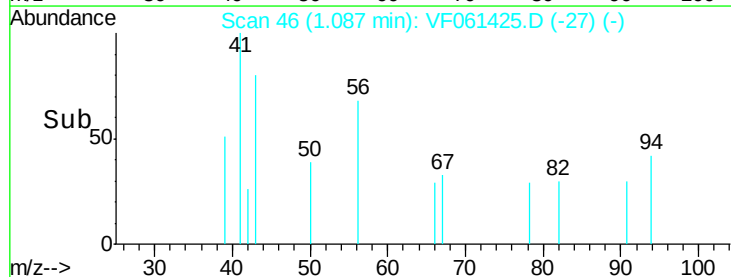
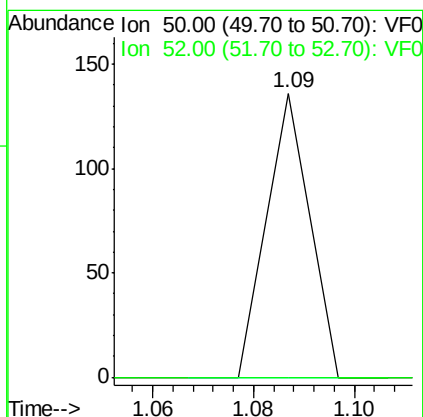
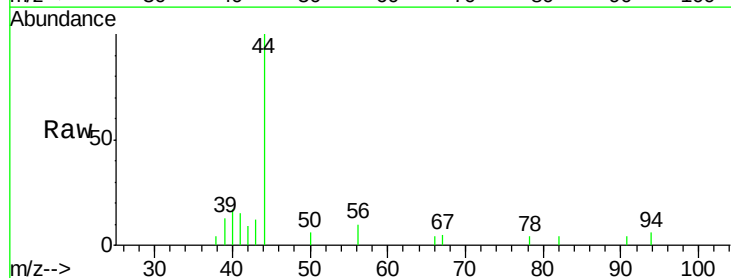
Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-ARE

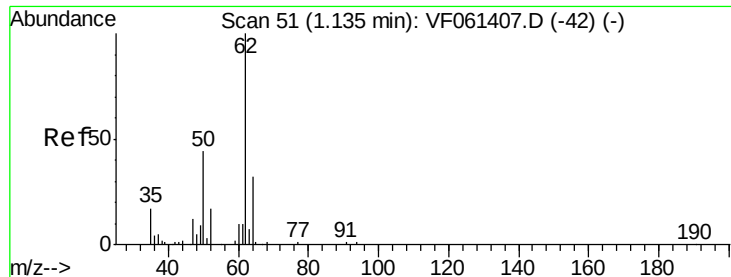
Tot Ion:168 Resp: 866
Ion Ratio Lower Upper
168 100
99 61.4 53.5 80.3



#3
Chloromethane
Concen: 6.492 ug/l
RT: 1.09 min Scan# 46
Delta R.T. -0.01 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

Tgt Ion: 50 Resp: 81
Ion Ratio Lower Upper
50 100
52 0.0 24.6 36.8#





#4

Vinyl Chloride

Concen: 10.902 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.04 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

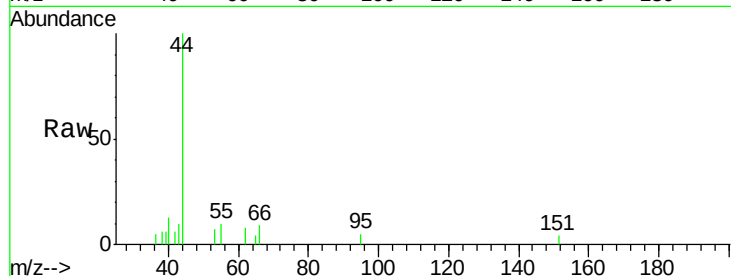
CLOVER-YARD-ARE

Tot Ion: 62 Resp: 121

Ion Ratio Lower Upper

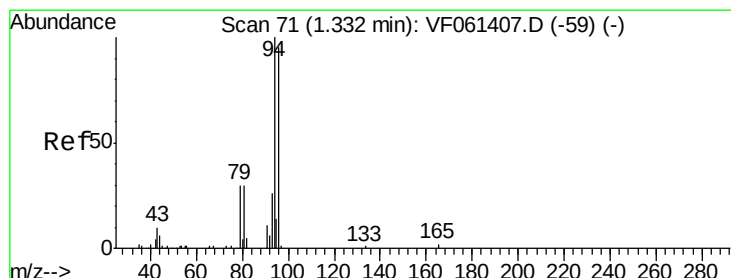
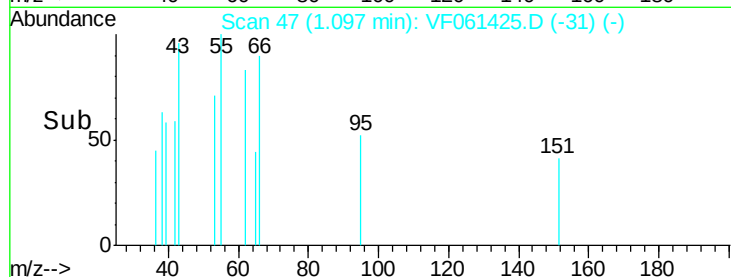
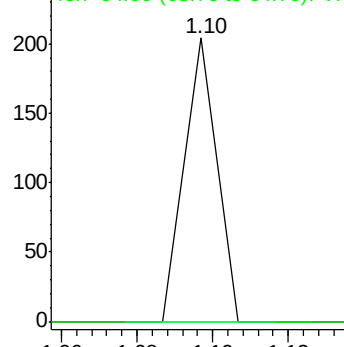
62 100

64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 84.977 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061425.D

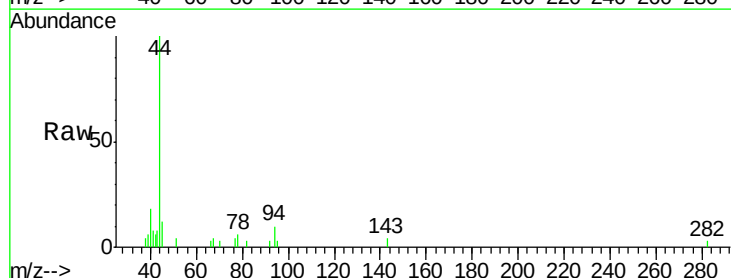
Acq: 16 Jan 2019 21:36

Tgt Ion: 94 Resp: 615

Ion Ratio Lower Upper

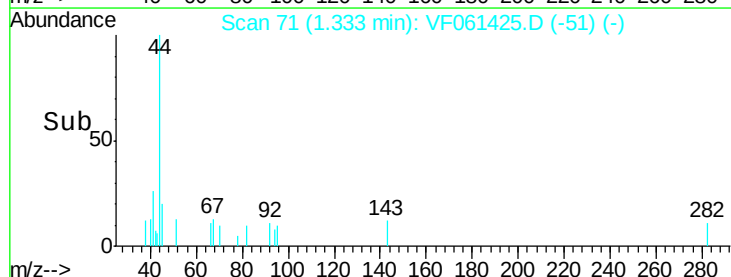
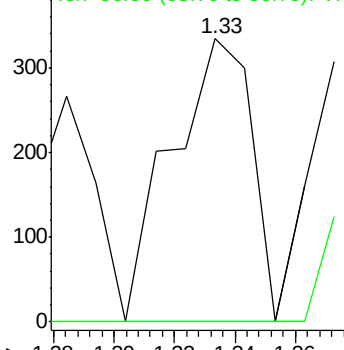
94 100

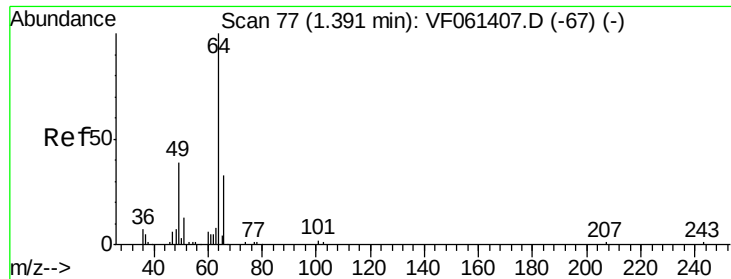
96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 13.624 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.10 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

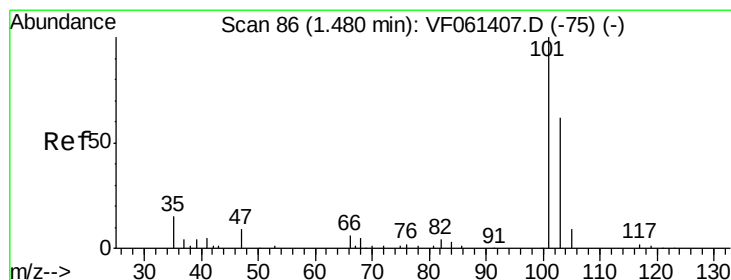
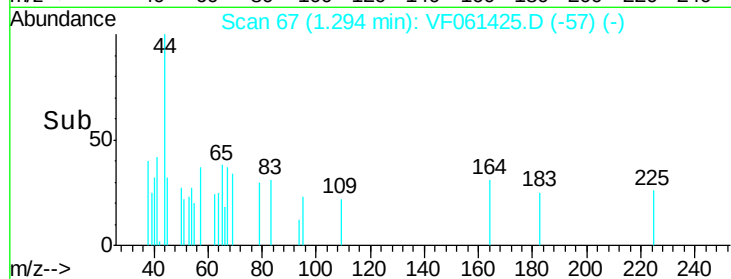
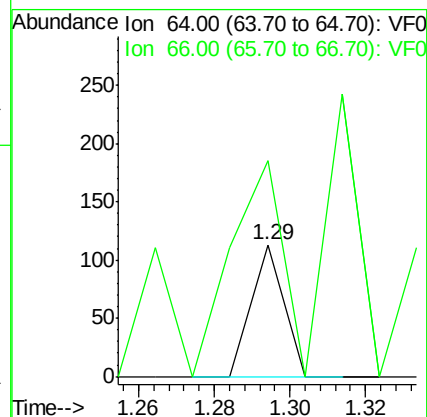
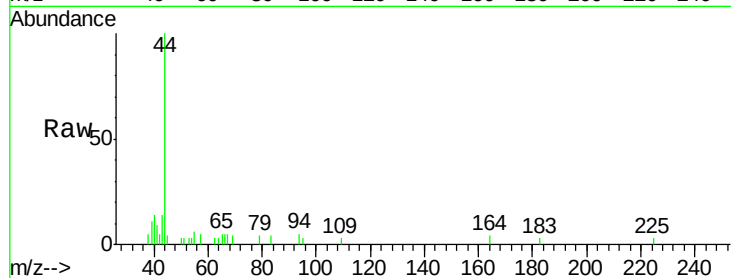
CLOVER-YARD-ARE

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 163.7 26.6 40.0#



#7

Trichlorofluoromethane

Concen: 2.874 ug/l

RT: 1.45 min Scan# 83

Delta R.T. -0.03 min

Lab File: VF061425.D

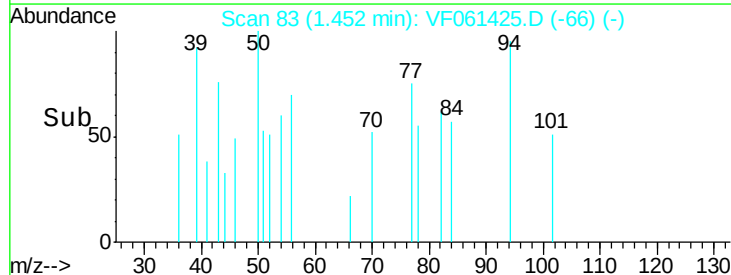
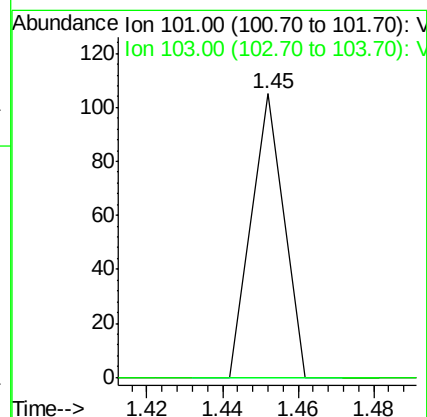
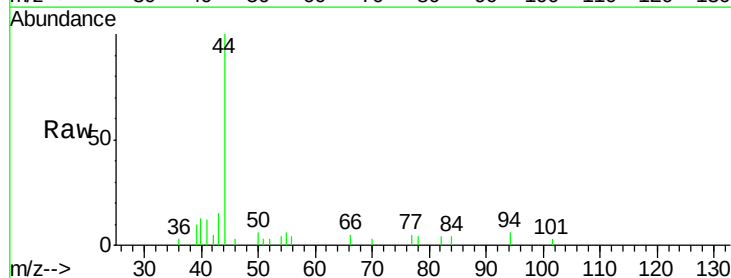
Acq: 16 Jan 2019 21:36

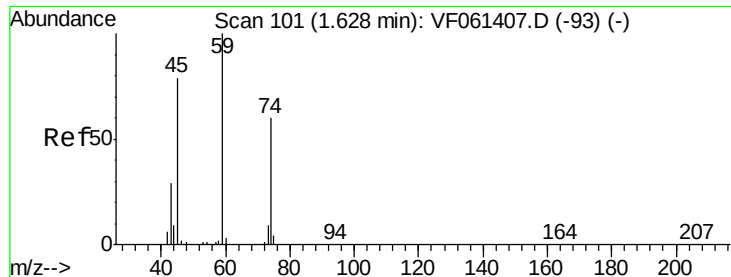
Tgt Ion: 101 Resp: 62

Ion Ratio Lower Upper

101 100

103 0.0 49.7 74.5#





#8

Diethyl Ether

Concen: 34.725 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.10 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

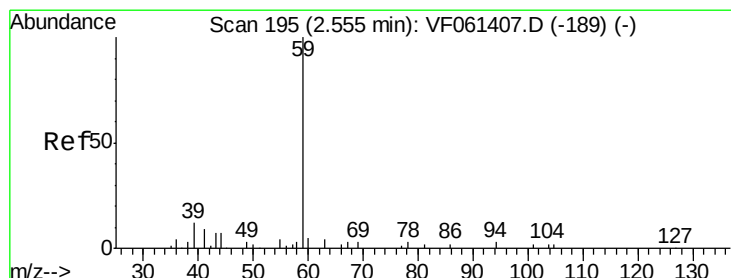
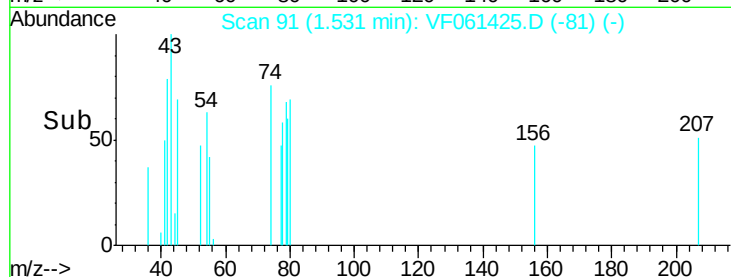
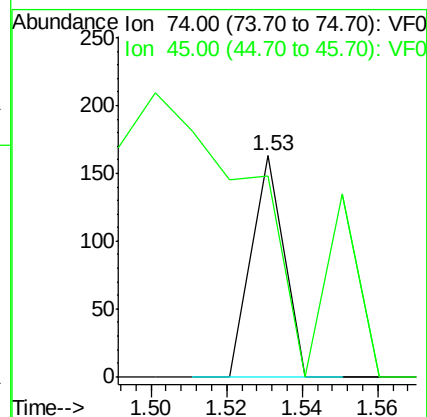
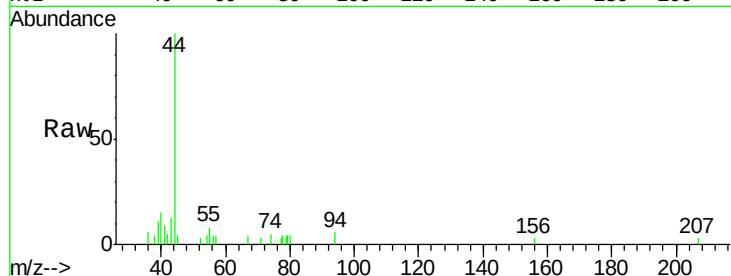
CLOVER-YARD-ARE

Tot Ion: 74 Resp: 96

Ion Ratio Lower Upper

74 100

45 90.8 65.8 197.5



#11

Tert butyl alcohol

Concen: 172.350 ug/l

RT: 2.48 min Scan# 187

Delta R.T. -0.08 min

Lab File: VF061425.D

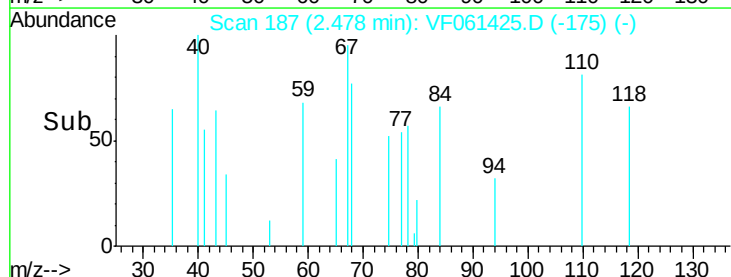
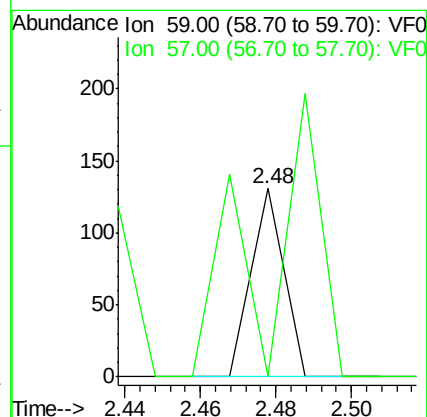
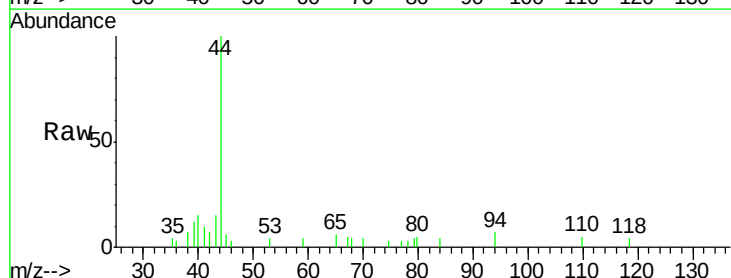
Acq: 16 Jan 2019 21:36

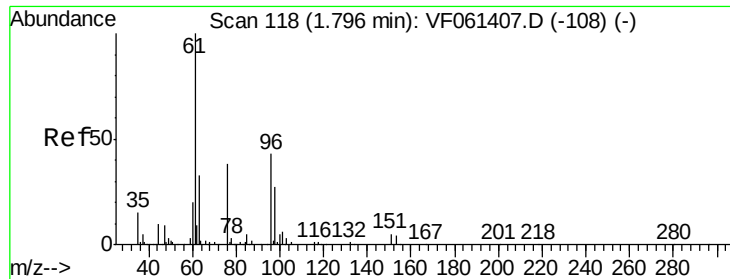
Tgt Ion: 59 Resp: 78

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#

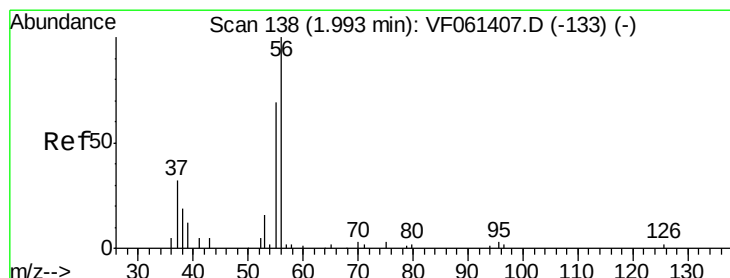
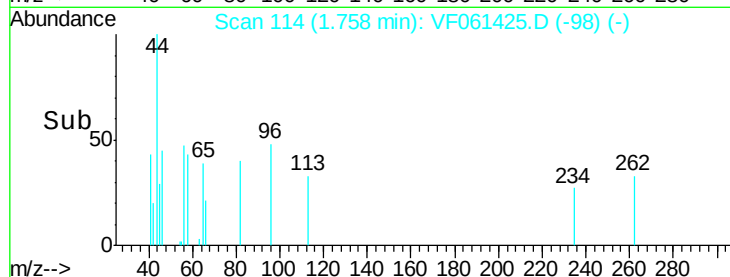
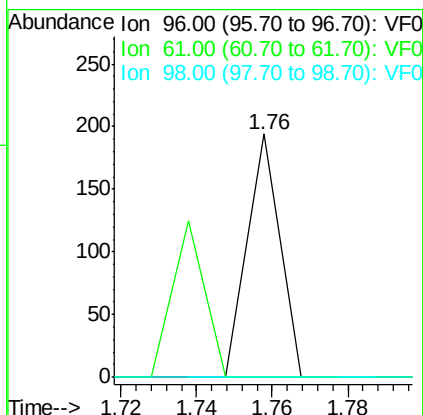
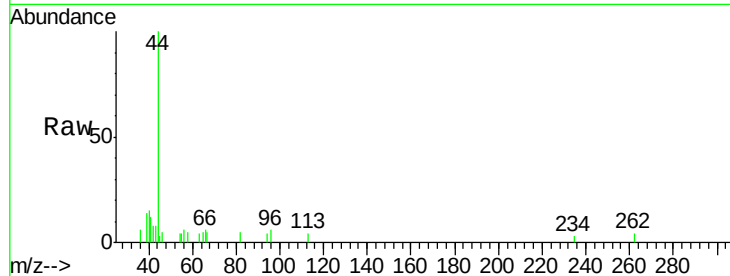




#12
 1,1-Dichloroethene
 Concen: 14.931 ug/l
 RT: 1.76 min Scan# 114
 Delta R.T. -0.04 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

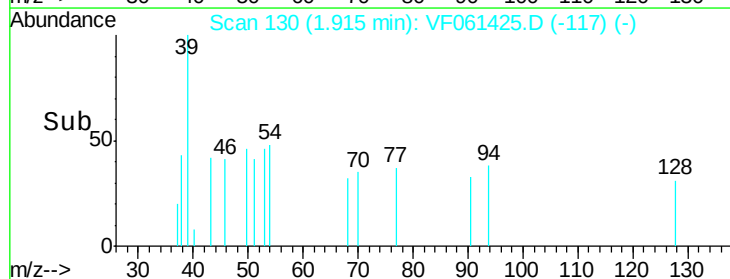
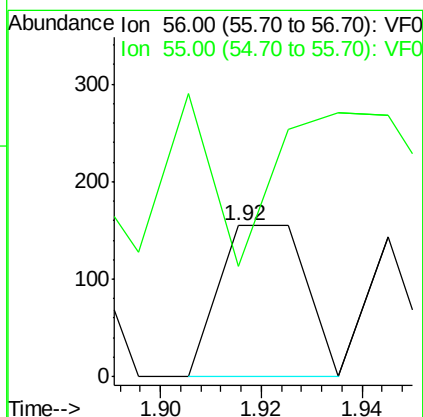
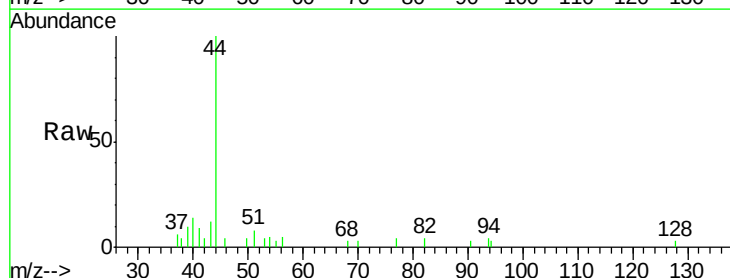
Instrument :
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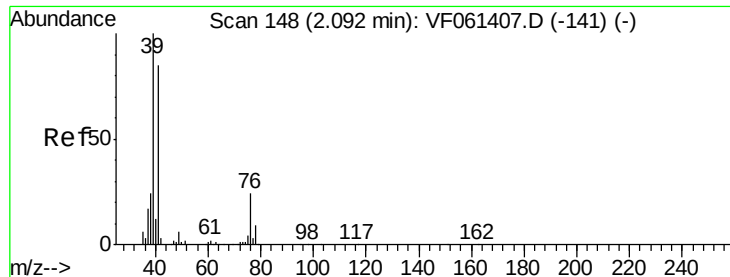
Tot Ion: 96 Resp: 115
 Ion Ratio Lower Upper
 96 100
 61 0.0 186.9 280.3#
 98 0.0 53.0 79.4#



#13
 Acrolein
 Concen: 462.837 ug/l
 RT: 1.92 min Scan# 130
 Delta R.T. -0.08 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

Tgt Ion: 56 Resp: 184
 Ion Ratio Lower Upper
 56 100
 55 72.9 57.5 86.3

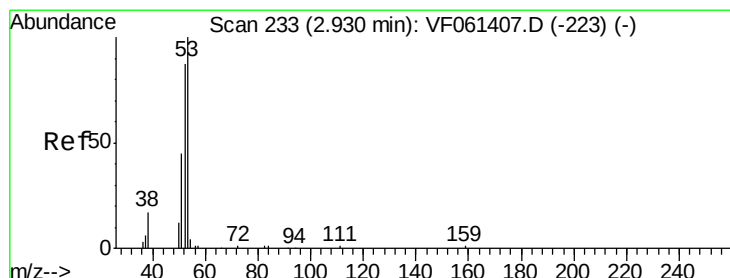
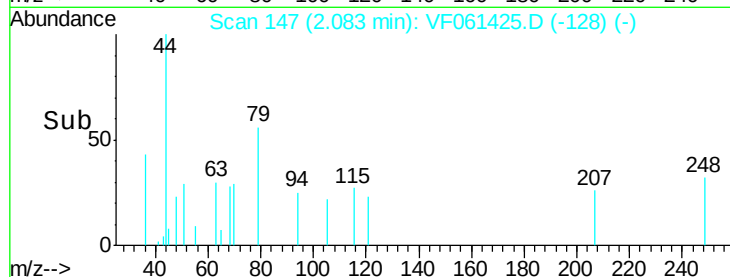
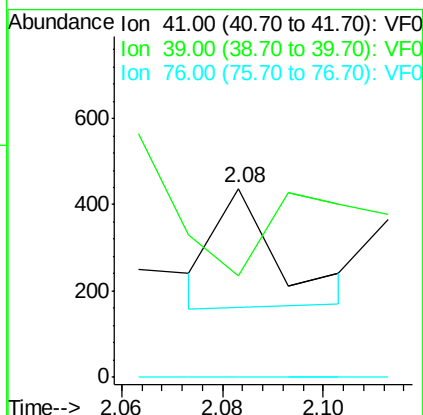
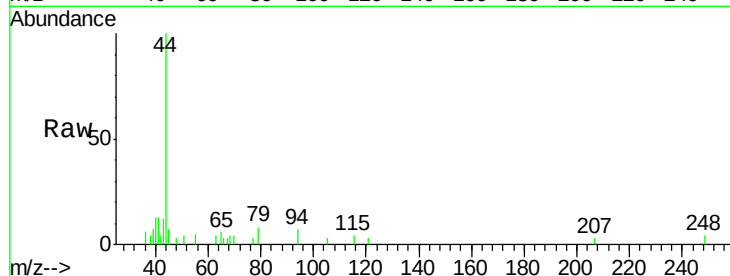




#14
Allvl chloride
Concen: 26.831 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

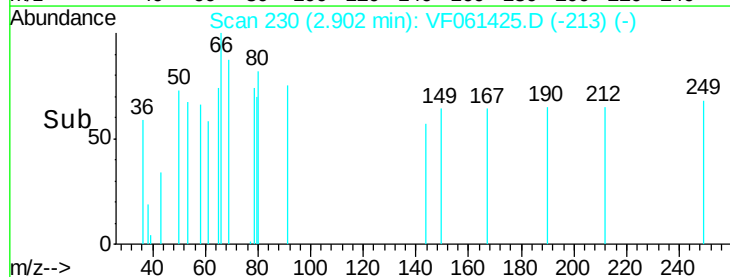
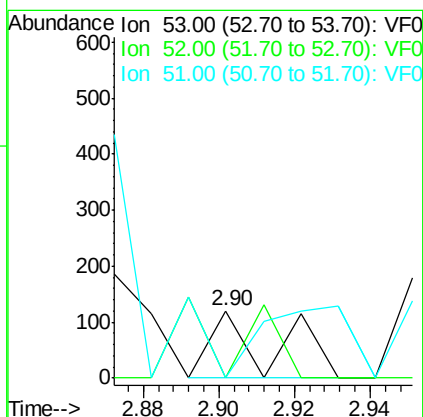
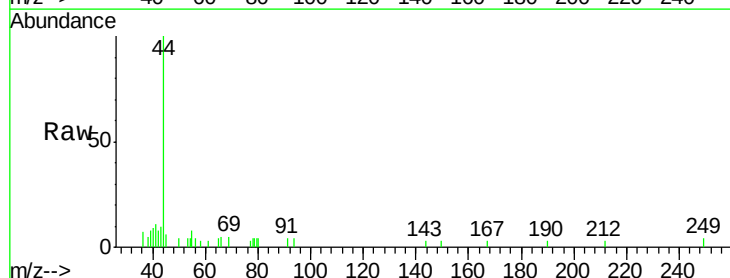
Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-ARE

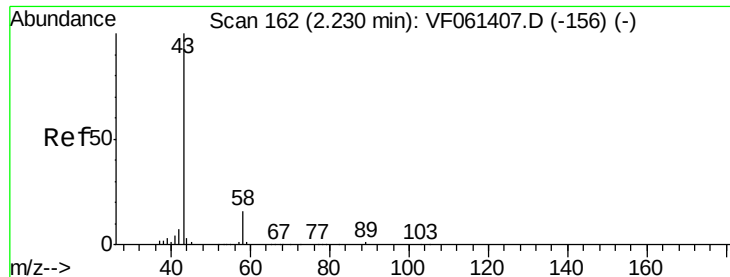
Tot Ion: 41 Resp: 237
Ion Ratio Lower Upper
41 100
39 53.7 94.6 141.8#
76 0.0 25.9 38.9#



#15
Acrylonitrile
Concen: 119.905 ug/l
RT: 2.90 min Scan# 230
Delta R.T. -0.03 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

Tgt Ion: 53 Resp: 139
Ion Ratio Lower Upper
53 100
52 0.0 69.6 104.4#
51 0.0 36.8 55.2#

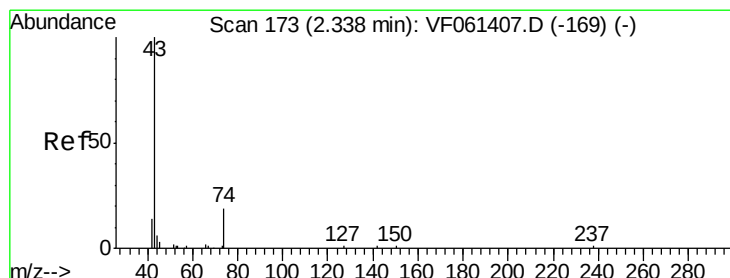
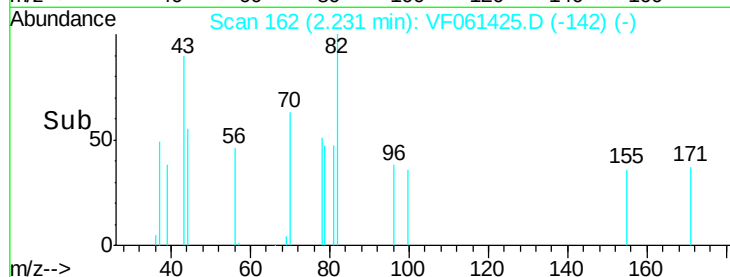
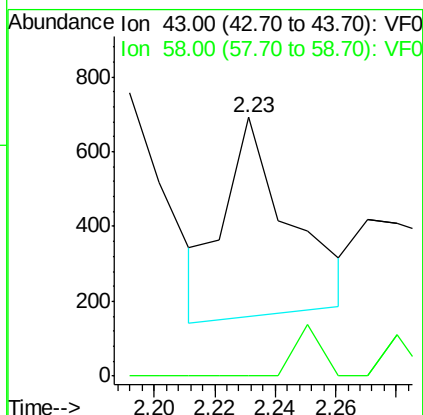
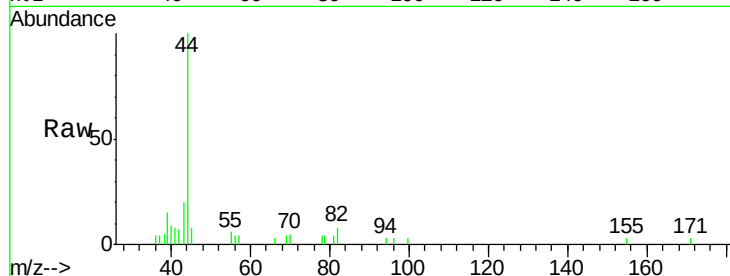




#16
Acetone
Concen: 375.306 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

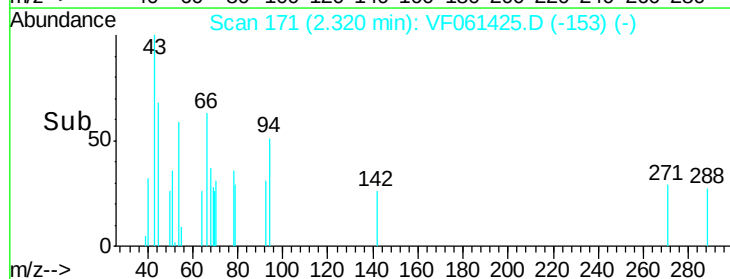
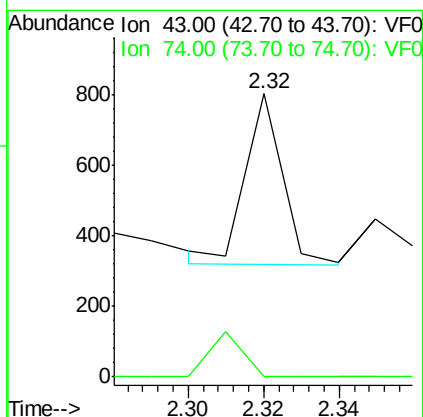
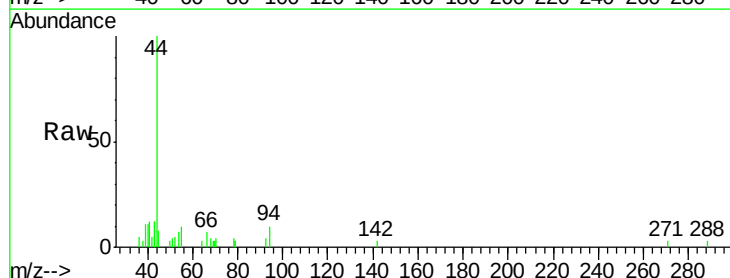
Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-ARE

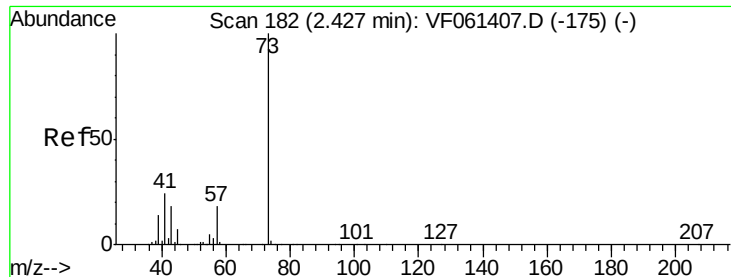
Tot Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 0.0 13.3 19.9#



#18
Methyl Acetate
Concen: 75.699 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#

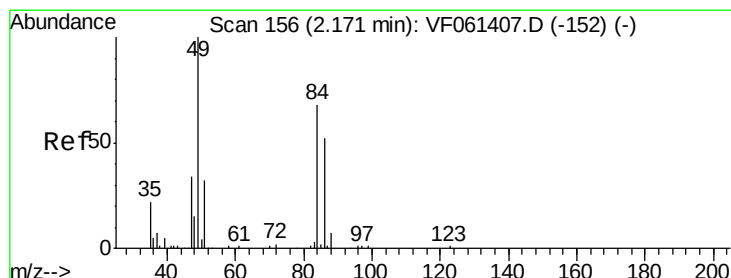
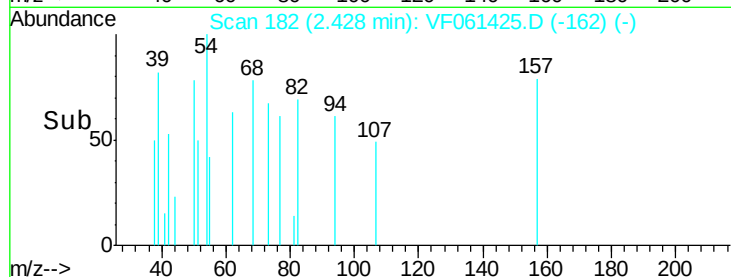
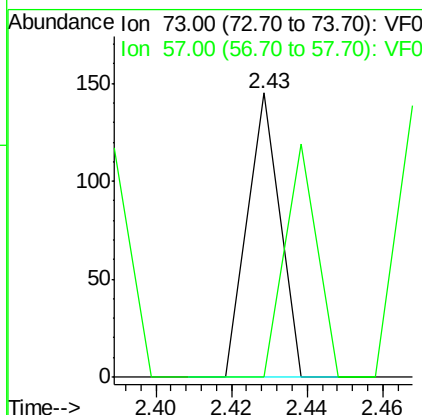
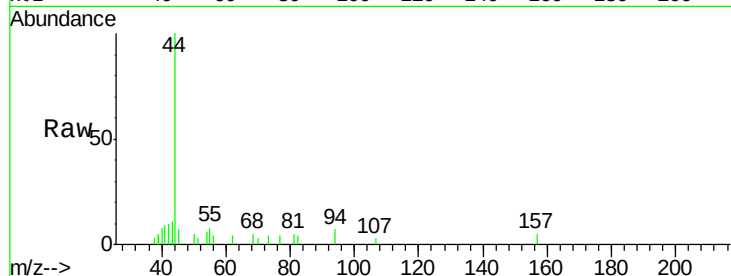




#19
Methvl tert-butvl Ether
Concen: 4.981 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

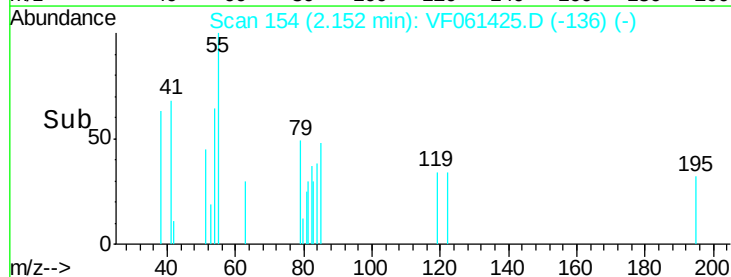
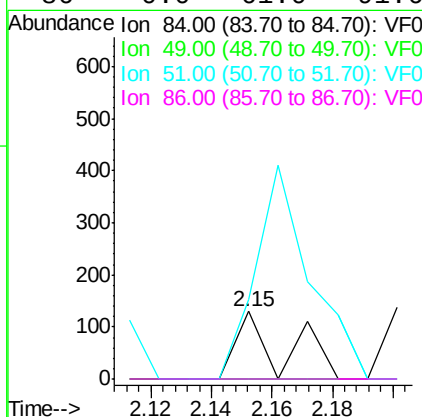
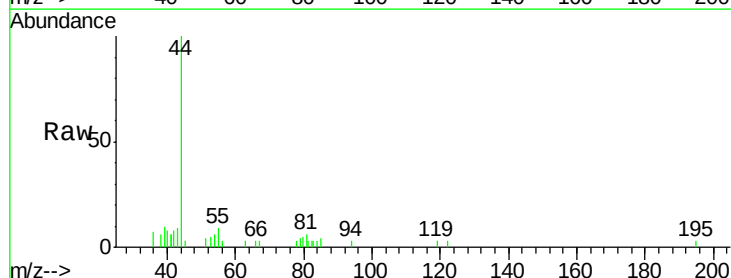
Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-ARE

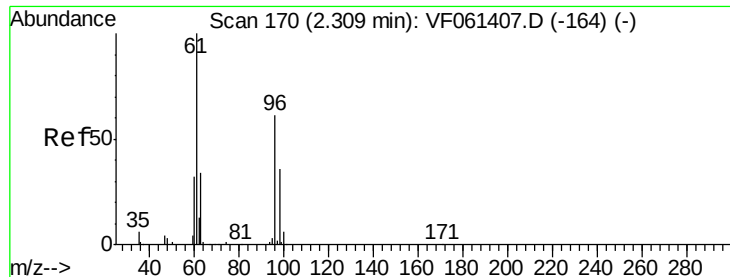
Tot Ion: 73 Resp: 86
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#



#20
Methylene Chloride
Concen: 18.534 ug/l
RT: 2.15 min Scan# 154
Delta R.T. -0.02 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

Tgt Ion: 84 Resp: 143
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 116.9 38.6 58.0#
86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 7.434 ug/l

RT: 2.33 min Scan# 172

Delta R.T. 0.02 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

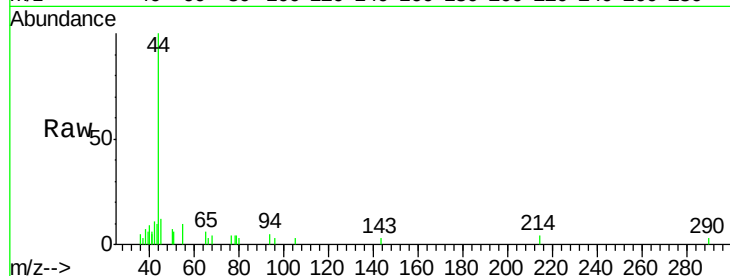
Tot Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

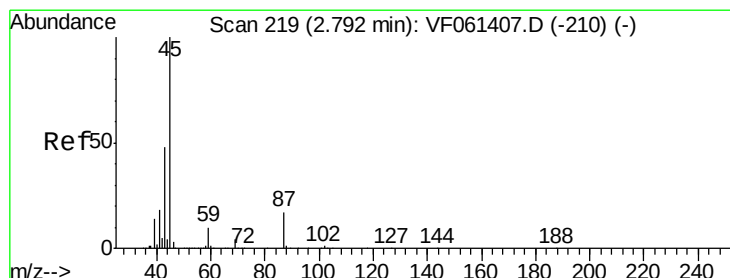
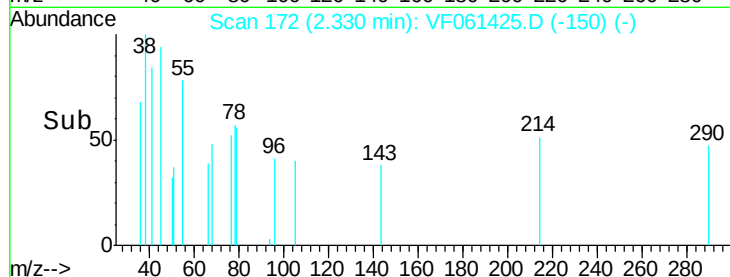
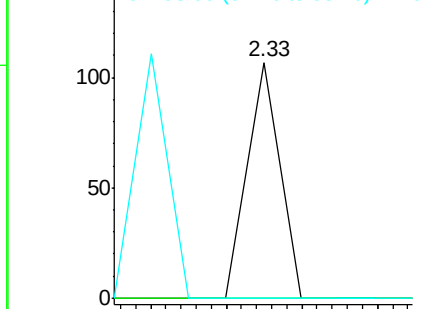
98 0.0 47.4 71.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 11.675 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.03 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Tgt Ion: 45 Resp: 320

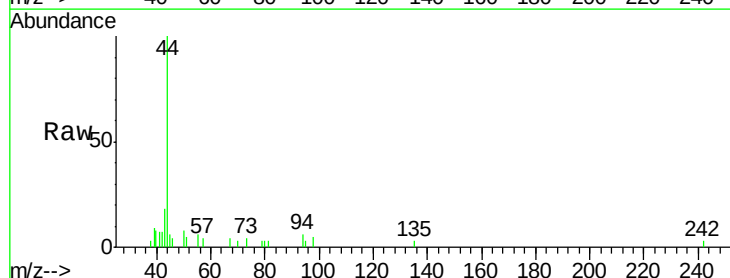
Ion Ratio Lower Upper

45 100

43 329.2 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#

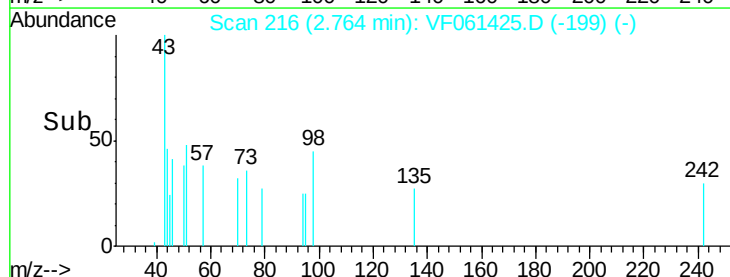
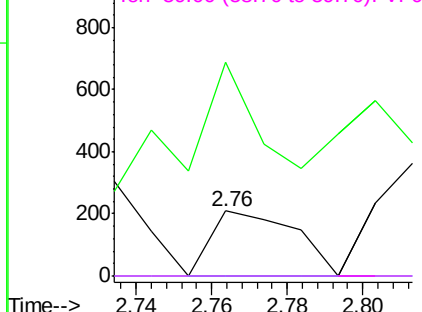


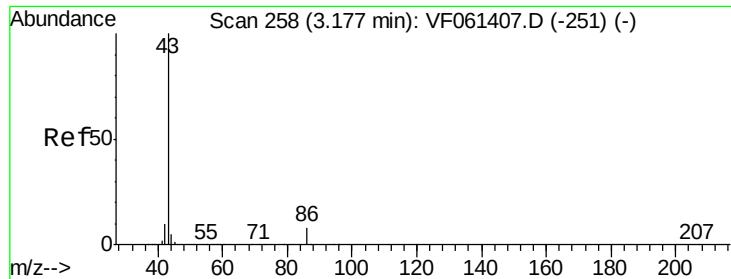
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 87.455 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

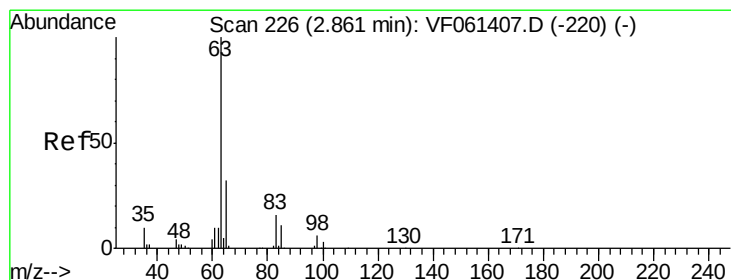
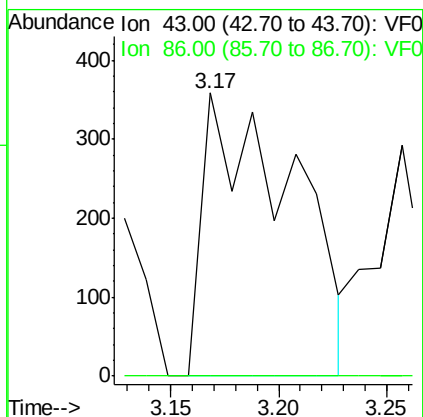
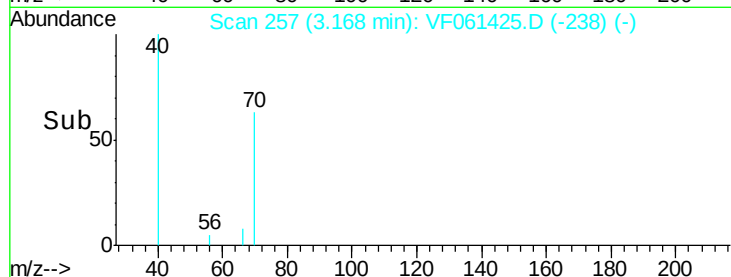
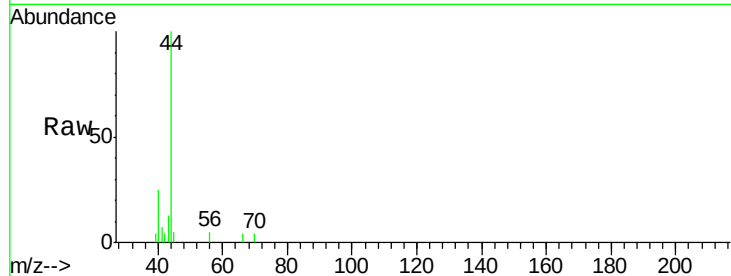
CLOVER-YARD-ARE

Tot Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



#24

1,1-Dichloroethane

Concen: 4.418 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

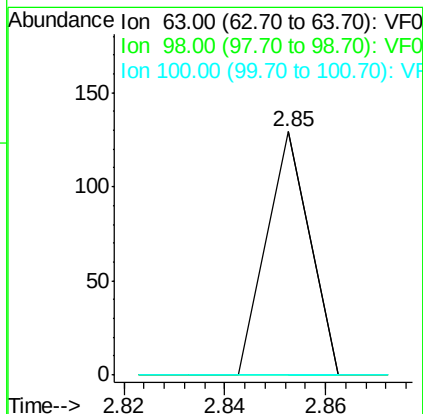
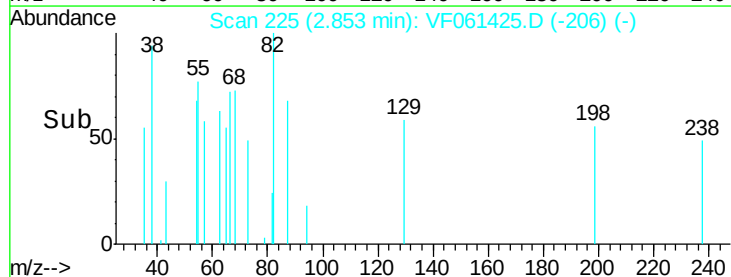
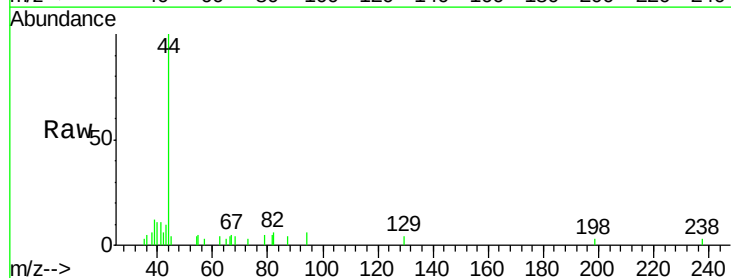
Tgt Ion: 63 Resp: 76

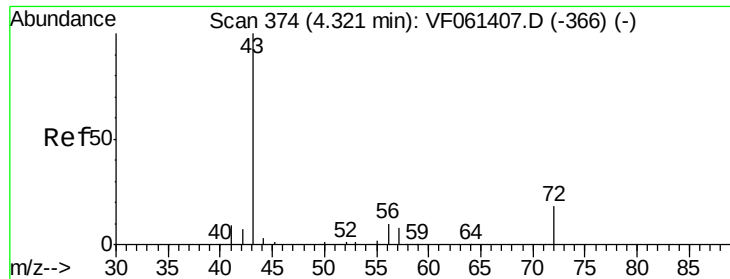
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.6 4.8#





#25

2-Butanone

Concen: 20.466 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

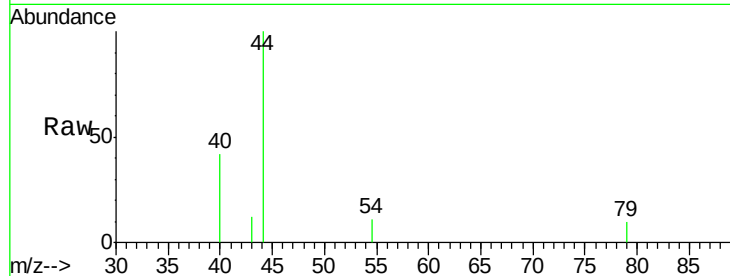
CLOVER-YARD-ARE

Tot Ion: 43 Resp: 73

Ion Ratio Lower Upper

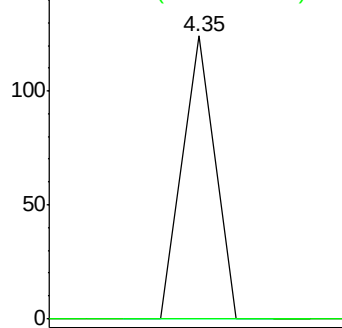
43 100

72 0.0 15.8 23.6#

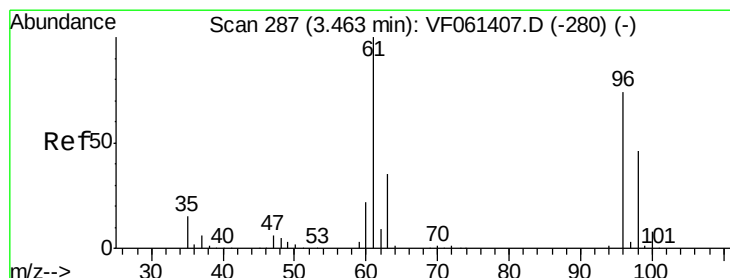
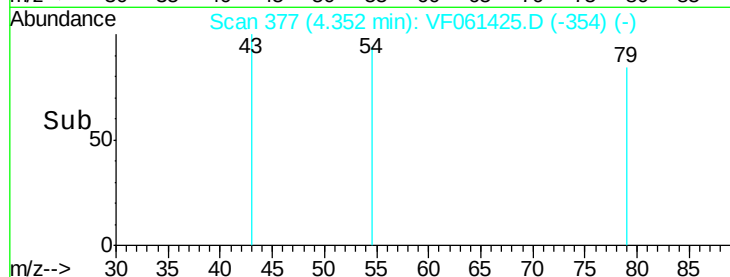


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 4.796 ug/l

RT: 3.49 min Scan# 290

Delta R.T. 0.03 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

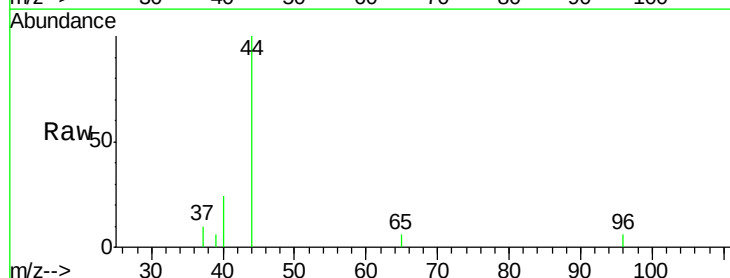
Tgt Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 0.0 270.2

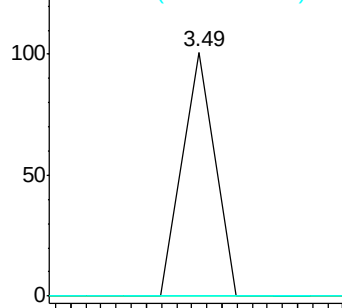
98 0.0 0.0 124.0



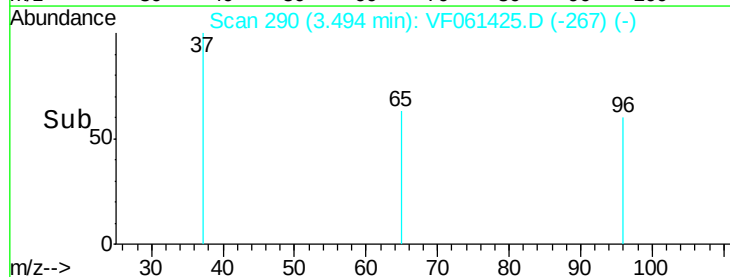
Abundance Ion 96.00 (95.70 to 96.70): VF0

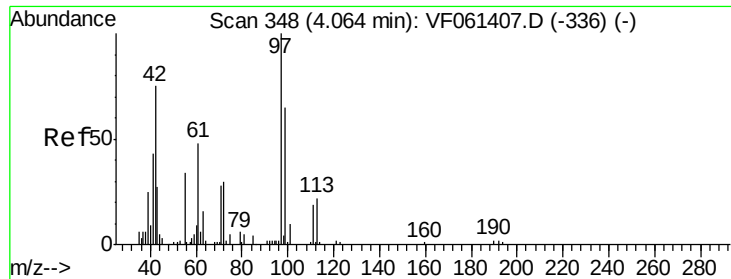
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->





#29

Tetrahydrofuran

Concen: 80.084 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

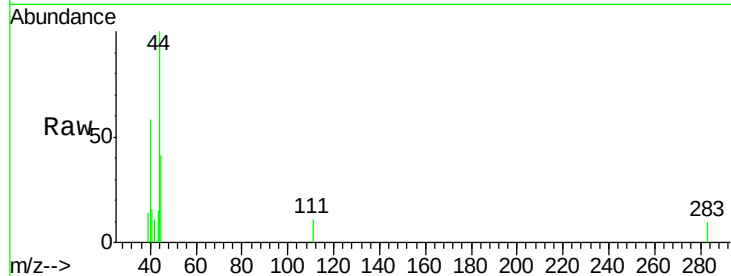
Tot Ion: 42 Resp: 123

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

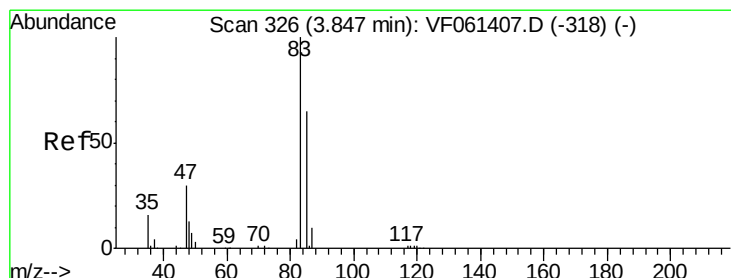
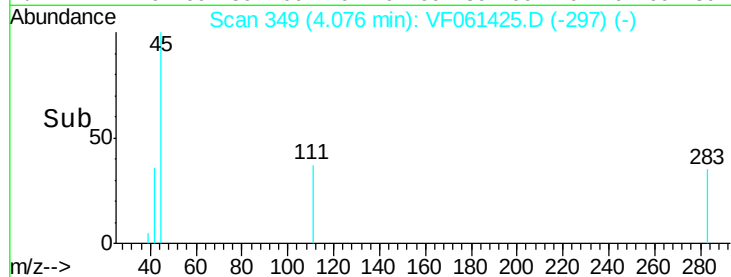
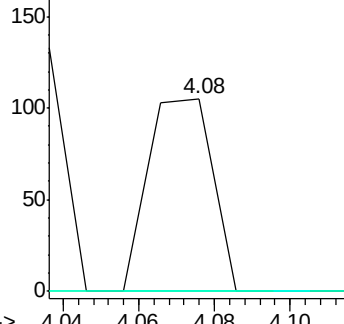
71 0.0 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 4.695 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.13 min

Lab File: VF061425.D

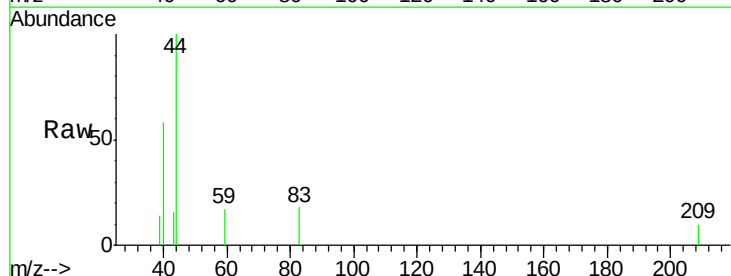
Acq: 16 Jan 2019 21:36

Tgt Ion: 83 Resp: 109

Ion Ratio Lower Upper

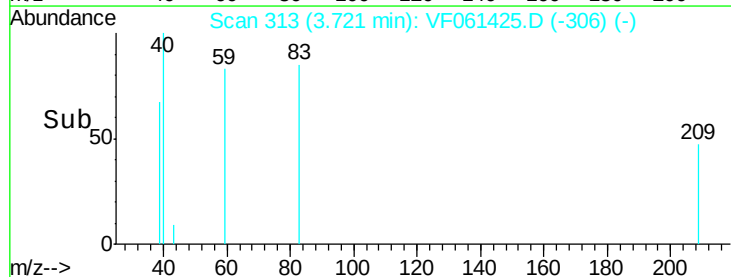
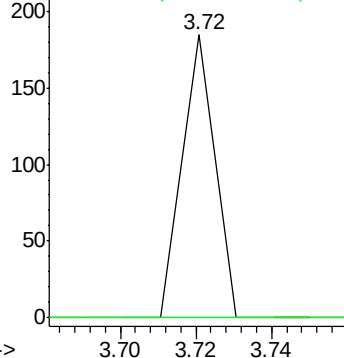
83 100

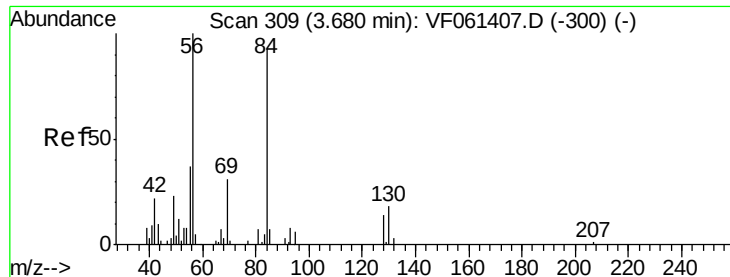
85 0.0 52.7 79.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 4.364 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.14 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

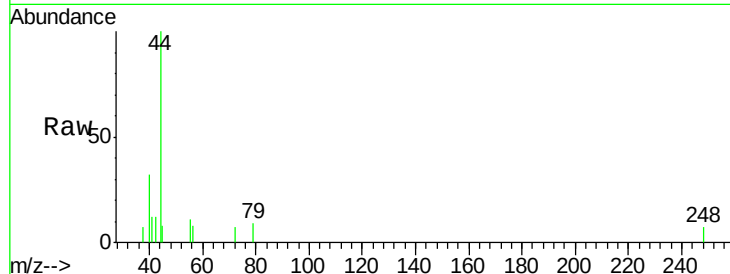
Tot Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

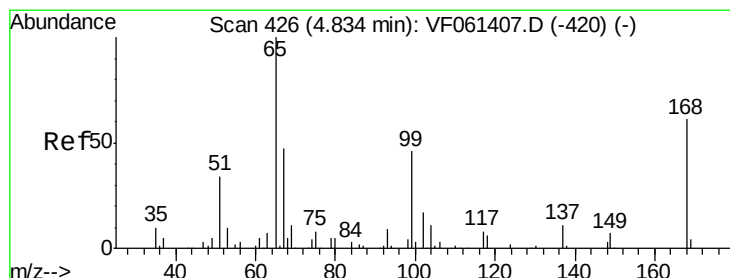
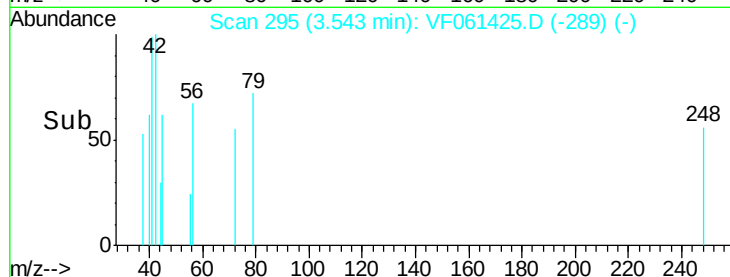
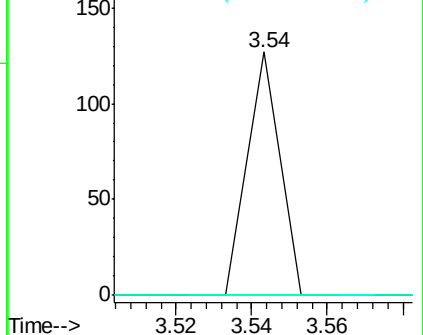
84 0.0 74.2 111.2#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 6.173 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061425.D

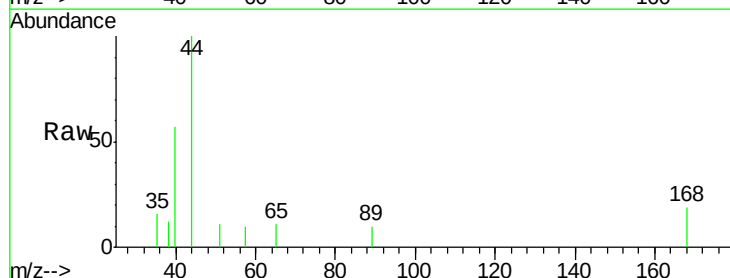
Acq: 16 Jan 2019 21:36

Tgt Ion: 65 Resp: 66

Ion Ratio Lower Upper

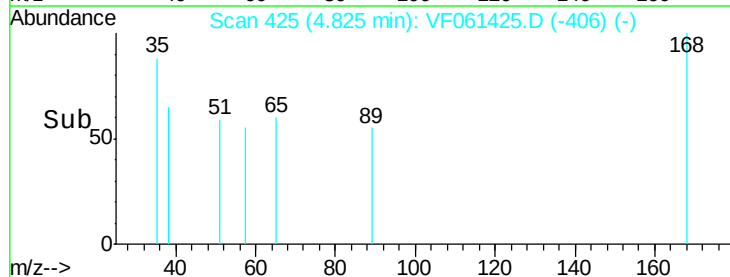
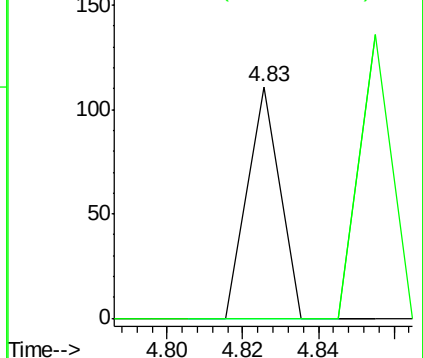
65 100

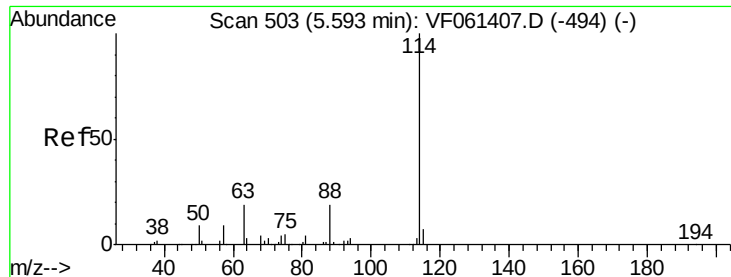
67 0.0 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

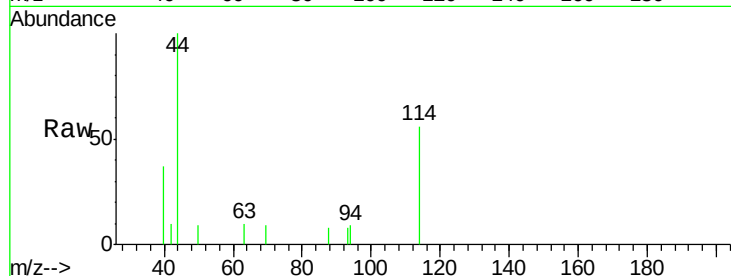
Tot Ion:114 Resp: 1158

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.0

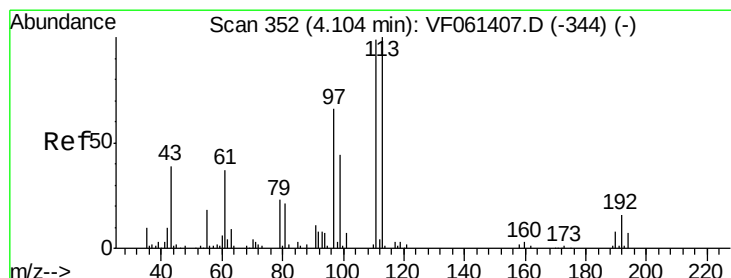
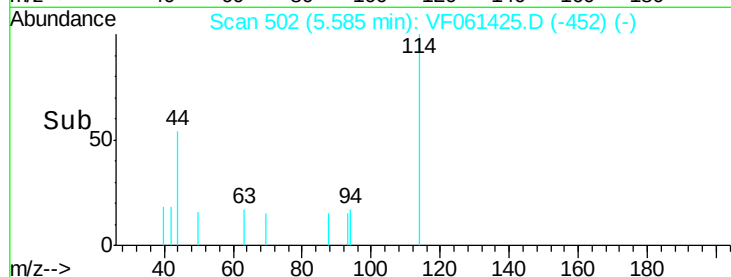
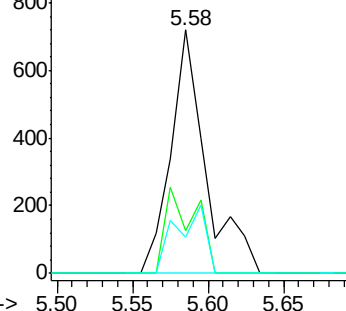
88 15.0 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 26.922 ug/l

RT: 4.11 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

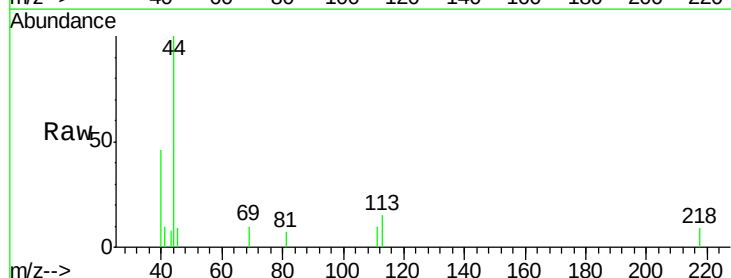
Tgt Ion:113 Resp: 246

Ion Ratio Lower Upper

113 100

111 64.2 79.4 119.0#

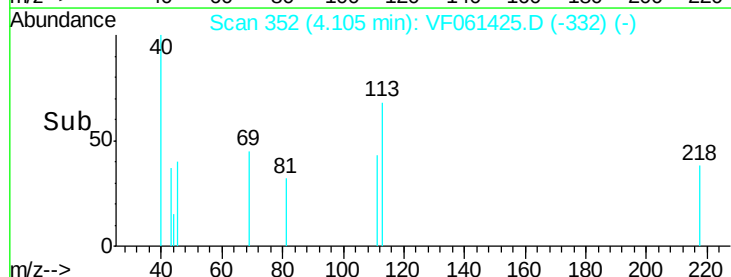
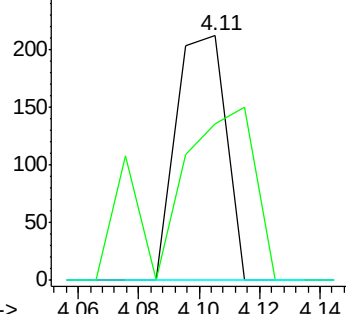
192 0.0 12.4 18.6#

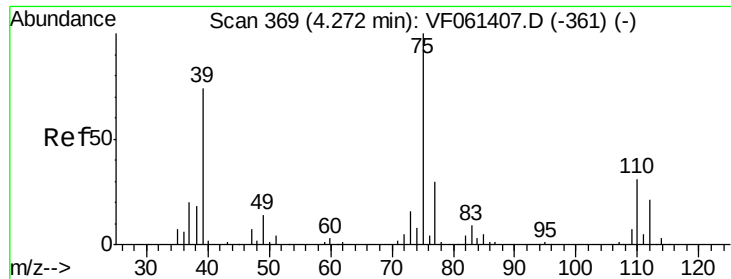


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

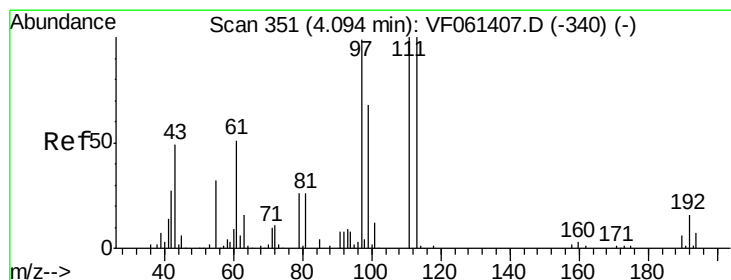
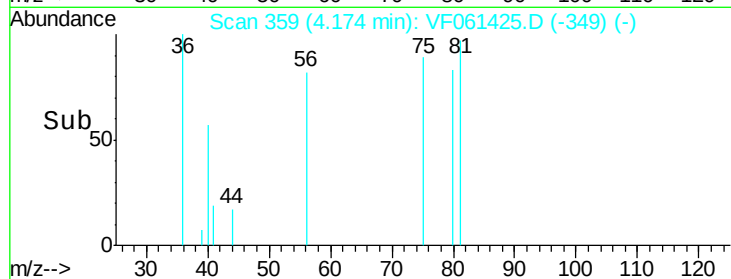
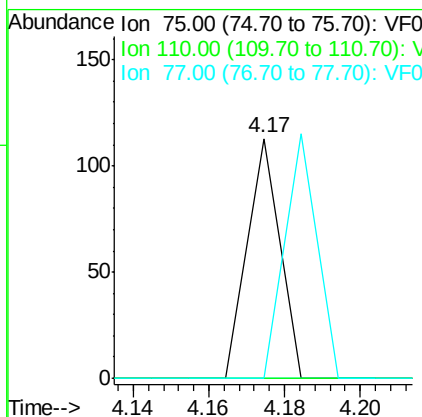
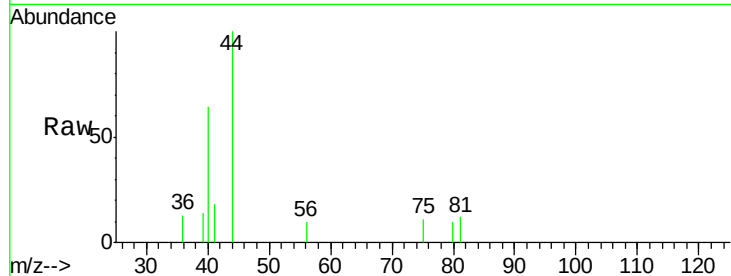




#36
 1,1-Dichloropropene
 Concen: 4.990 ug/l
 RT: 4.17 min Scan# 359
 Delta R.T. -0.10 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

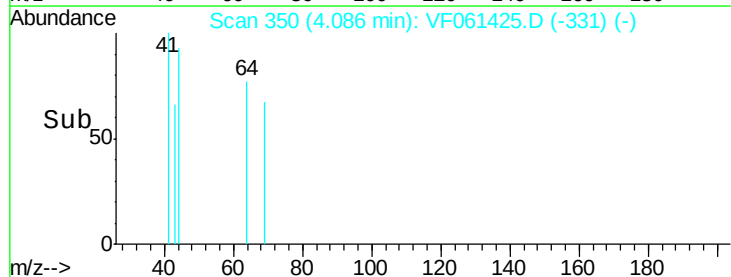
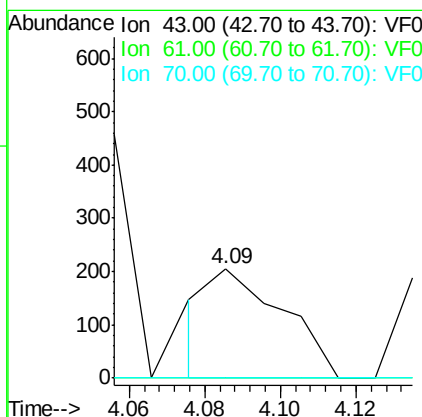
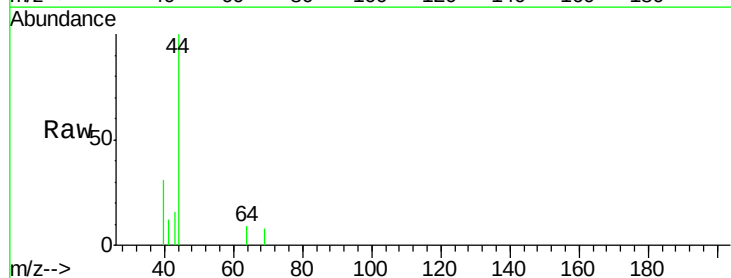
Instrument :
 MSVOA_F
 ClientSampleId :
 CLOVER-YARD-ARE

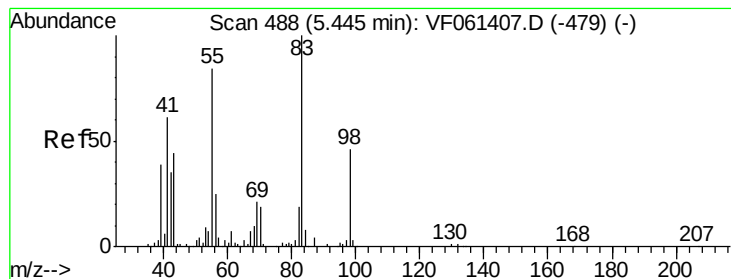
Tot Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.8 47.3#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 50.867 ug/l
 RT: 4.09 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

Tgt Ion: 43 Resp: 273
 Ion Ratio Lower Upper
 43 100
 61 0.0 81.7 122.5#
 70 0.0 6.2 9.2#





#39

Methylcyclohexane

Concen: 4.811 ug/l

RT: 5.47 min Scan# 490

Delta R.T. 0.02 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

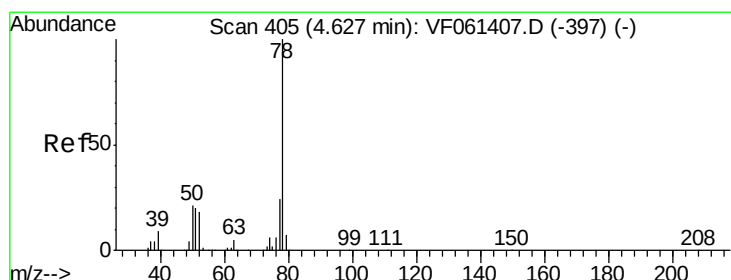
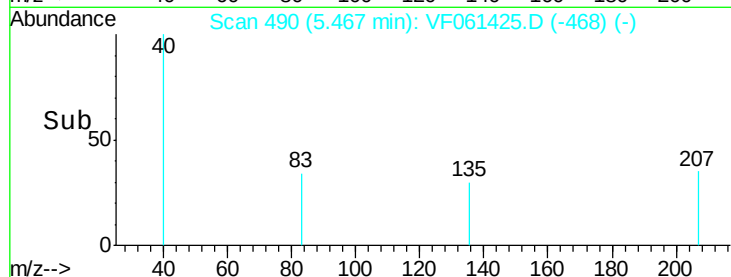
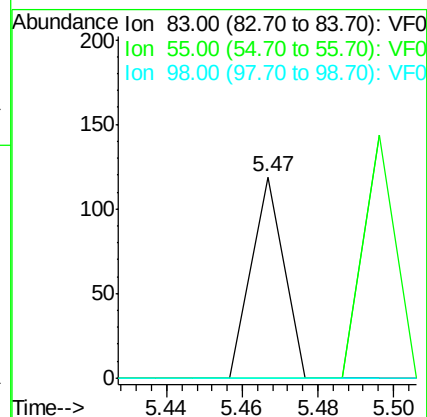
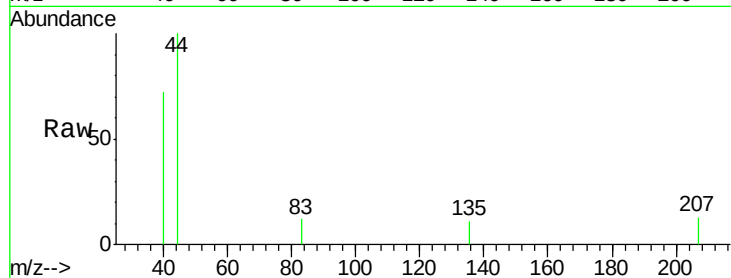
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

55 0.0 67.4 101.2#

98 0.0 36.7 55.1#



#40

Benzene

Concen: 2.510 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.13 min

Lab File: VF061425.D

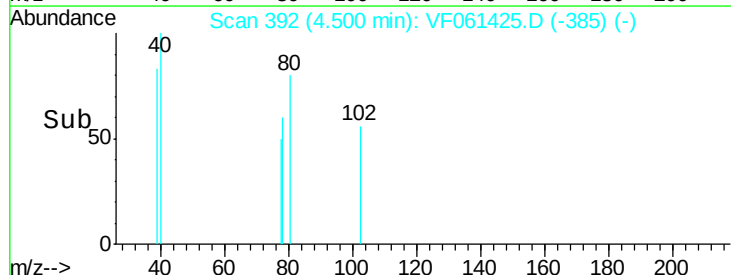
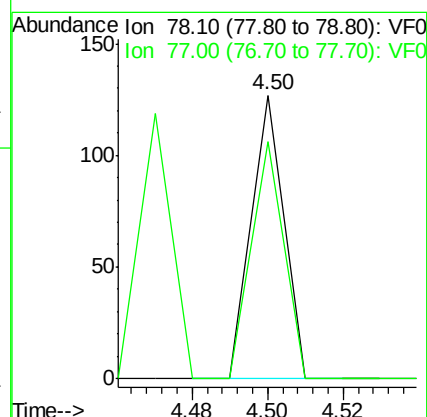
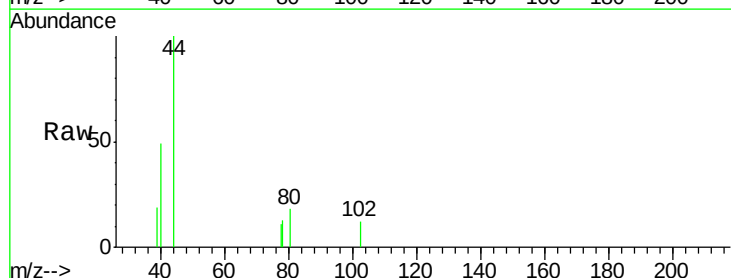
Acq: 16 Jan 2019 21:36

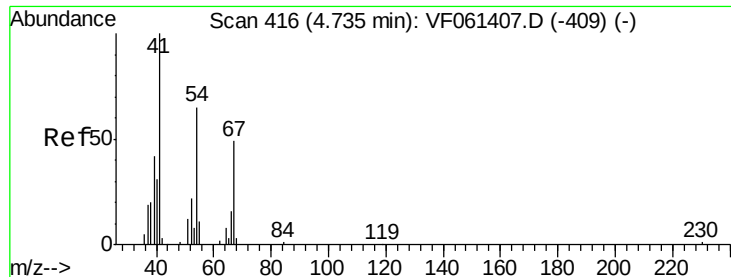
Tgt Ion: 78 Resp: 75

Ion Ratio Lower Upper

78 100

77 83.5 19.0 28.6#

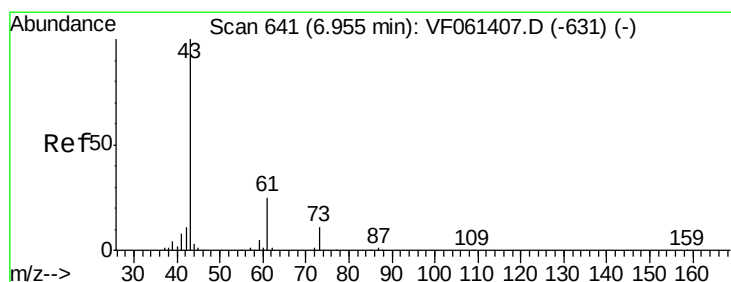
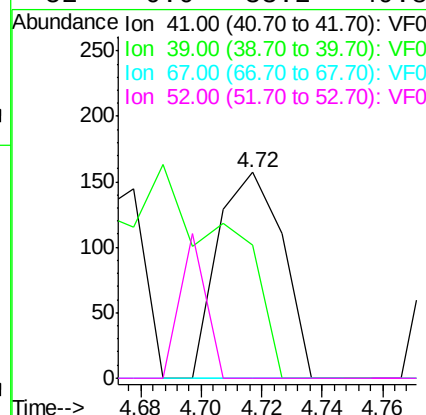
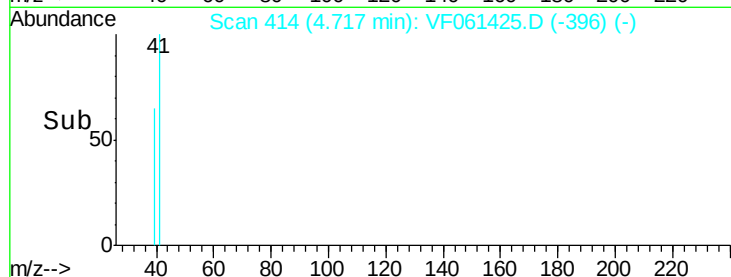
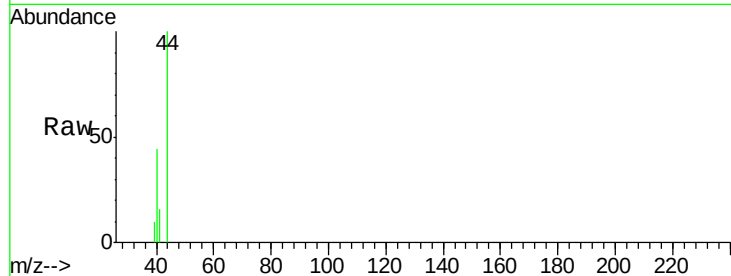




#41
Methacrylonitrile
Concen: 81.939 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.02 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

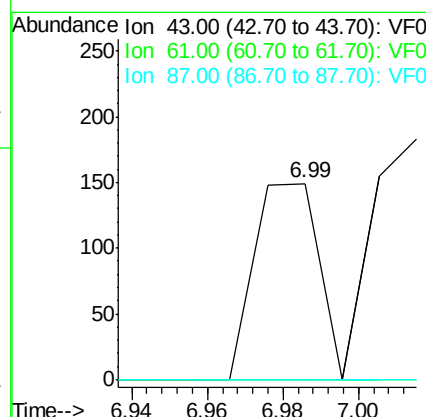
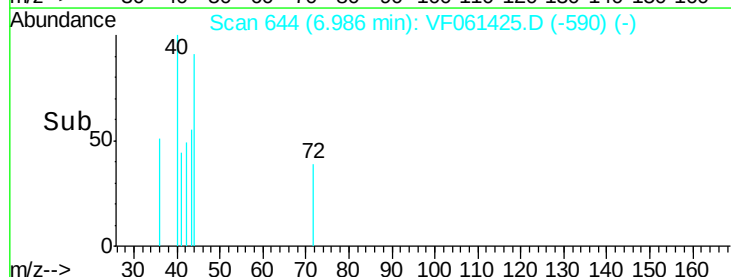
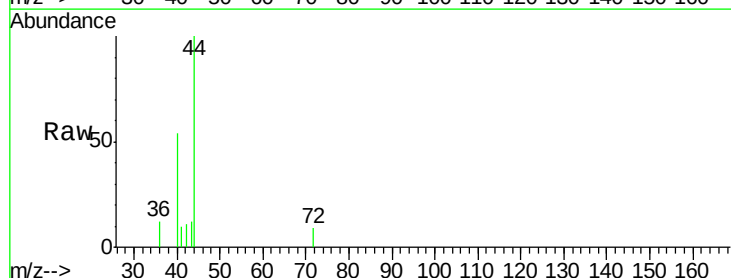
Instrument :
MSVOA_F
ClientSampleId :
CLOVER-YARD-ARE

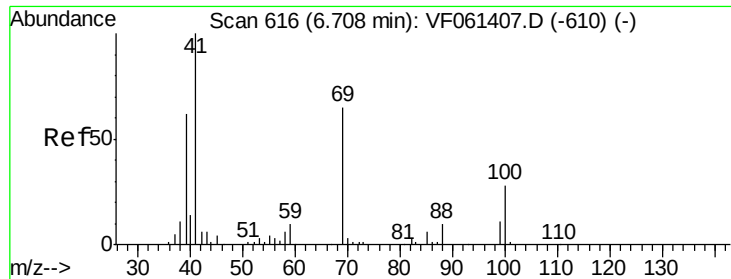
Tot Ion:	41	Resp:	234
Ion	Ratio	Lower	Upper
41	100		
39	65.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#43
Isopropyl Acetate
Concen: 26.128 ug/l
RT: 6.99 min Scan# 644
Delta R.T. 0.03 min
Lab File: VF061425.D
Acq: 16 Jan 2019 21:36

Tgt Ion:	43	Resp:	176
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#





#48

Methvl methacrylate

Concen: 22.329 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

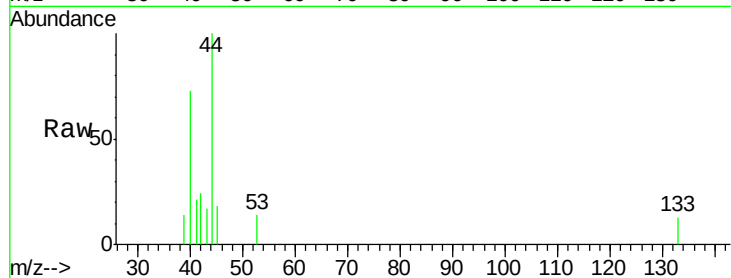
Tot Ion: 41 Resp: 101

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

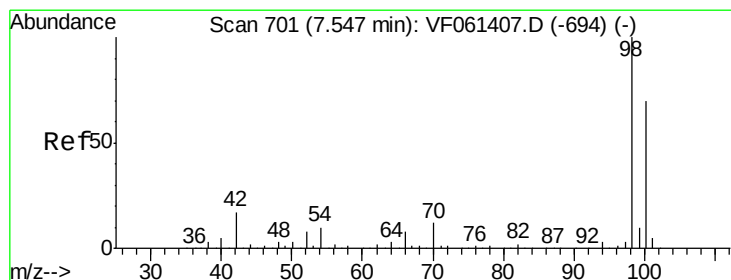
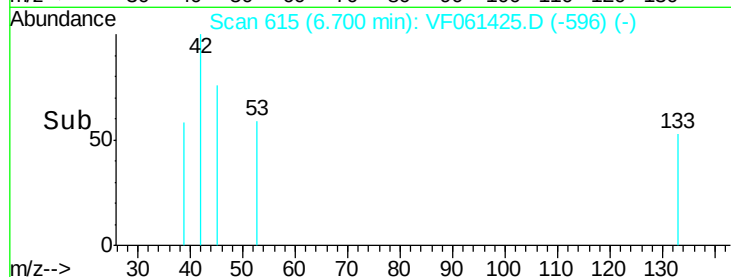
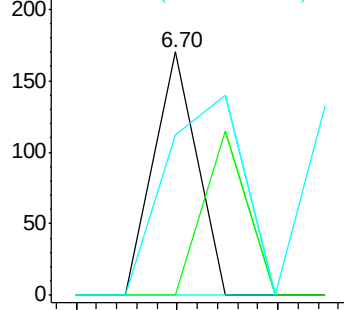
39 65.9 49.2 73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#50

Toluene-d8

Concen: 32.634 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.02 min

Lab File: VF061425.D

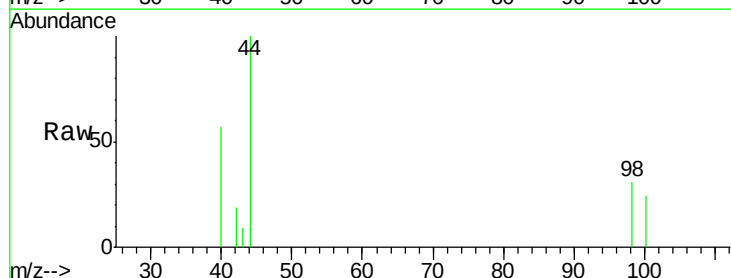
Acq: 16 Jan 2019 21:36

Tgt Ion: 98 Resp: 817

Ion Ratio Lower Upper

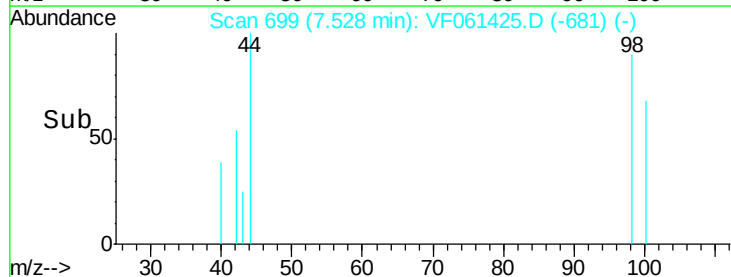
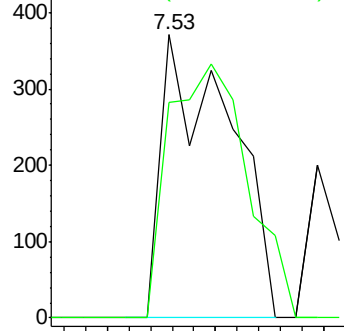
98 100

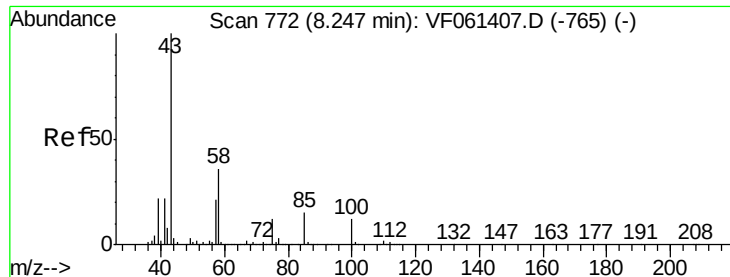
100 76.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

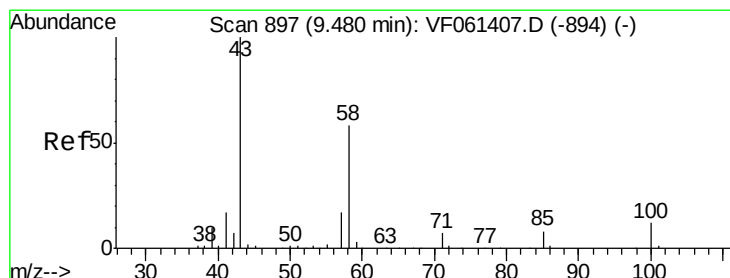
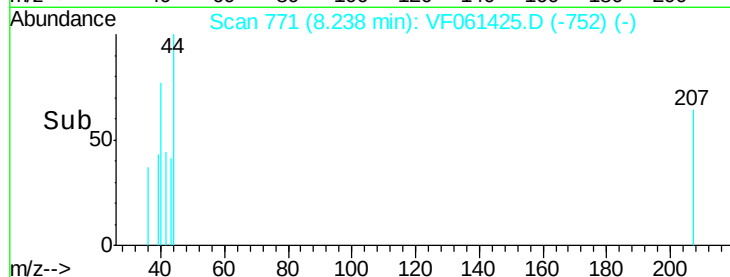
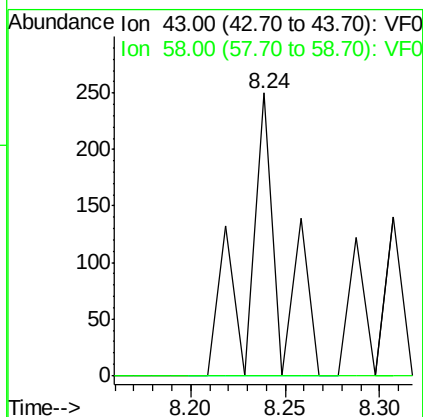
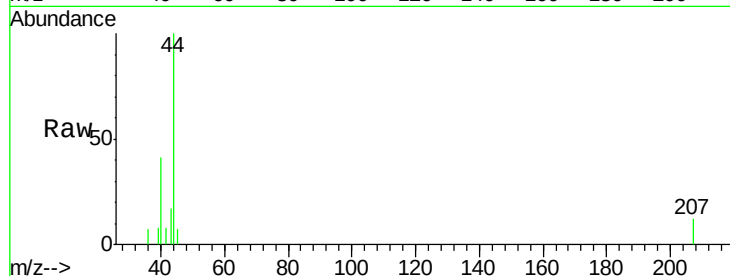




#51
 4-Methyl-2-Pentanone
 Concen: 62.399 ug/l
 RT: 8.24 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

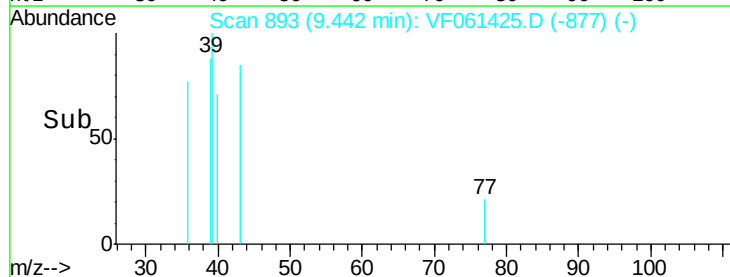
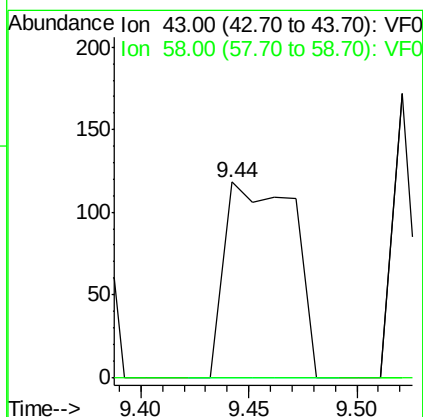
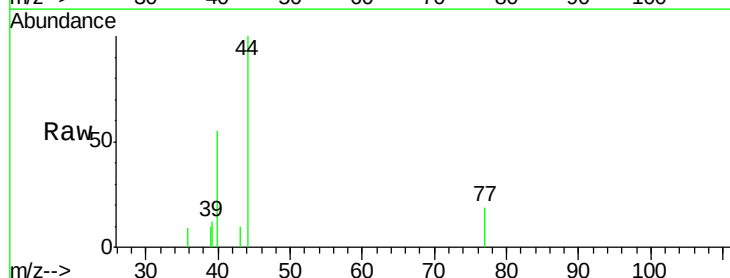
Instrument :
 MSVOA_F
 ClientSampleId :
 CLOVER-YARD-ARE

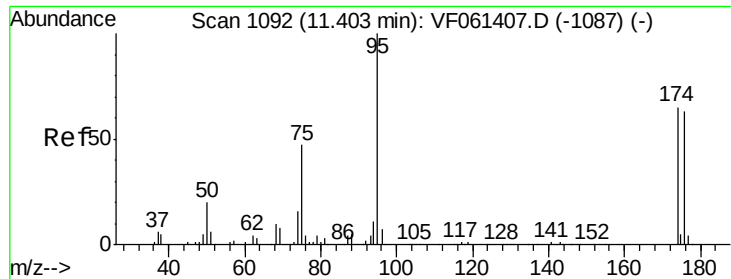
Tot Ion: 43 Resp: 309
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 43.2#



#59
 2-Hexanone
 Concen: 75.584 ug/l
 RT: 9.44 min Scan# 893
 Delta R.T. -0.04 min
 Lab File: VF061425.D
 Acq: 16 Jan 2019 21:36

Tgt Ion: 43 Resp: 261
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 16.500 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

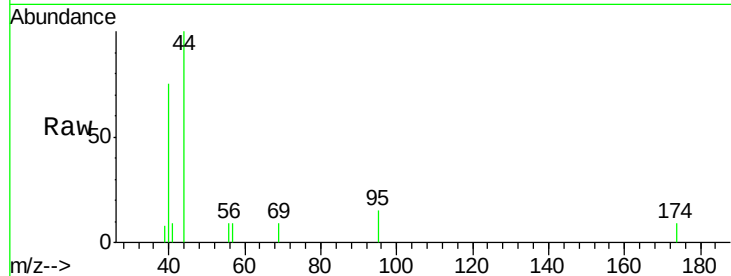
Tot Ion: 95 Resp: 193

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

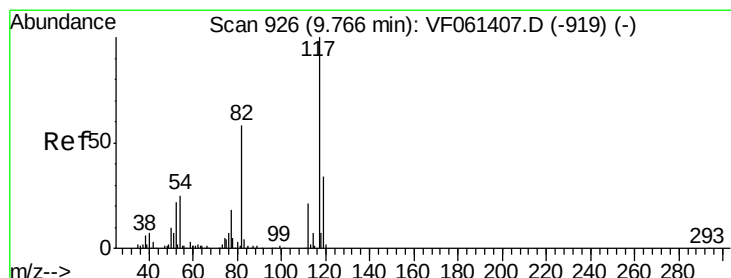
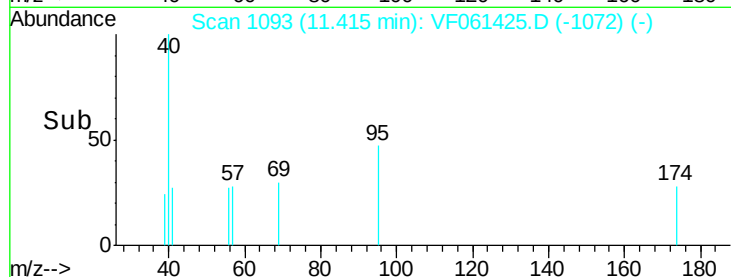
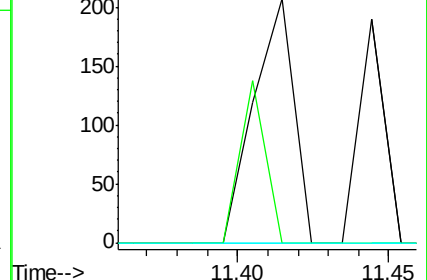
176 0.0 0.0 126.2



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: 9.77 min Scan# 926

Delta R.T. 0.00 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

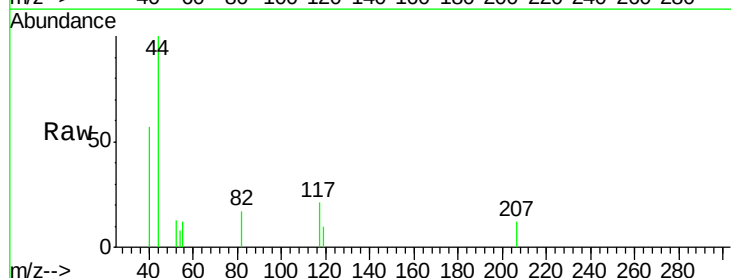
Tgt Ion: 117 Resp: 623

Ion Ratio Lower Upper

117 100

82 81.0 46.4 69.6#

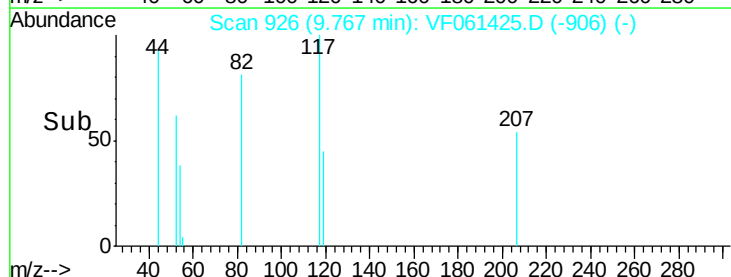
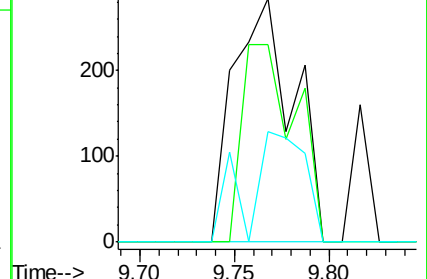
119 45.1 27.2 40.8#

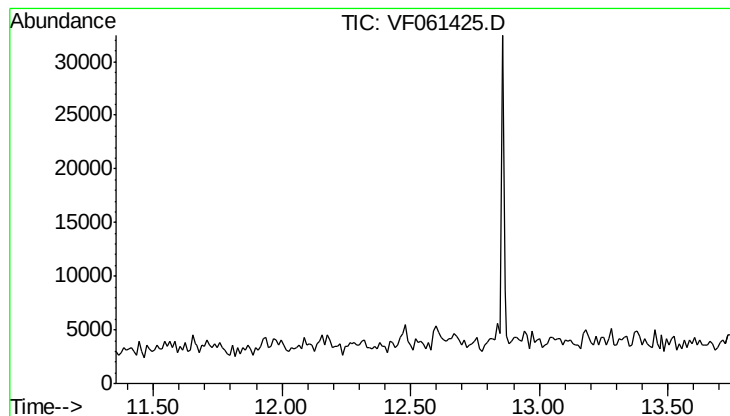


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.55 min

Lab File: VF061425.D

Acq: 16 Jan 2019 21:36

Instrument :

MSVOA_F

ClientSampleId :

CLOVER-YARD-ARE

Tot Ion: 152

Sig Exp Ratio

152 100

115 60.0

150 160.7

