

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061899.D
 Acq On : 11 Mar 2019 19:50
 Operator : VA/AP
 Sample : K1689-01
 Misc : 9.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

Quant Time: Mar 12 05:14:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.92	168	60	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.61
63) Chlorobenzene-d5	9.79	117	247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.41	95	154	0.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.87	85	65	88.241	ug/l # 47
3) Chloromethane	1.13	50	246	344.589	ug/l # 45
4) Vinyl Chloride	1.20	62	68	100.340	ug/l # 43
5) Bromomethane	1.32	94	505	1093.416	ug/l # 3
6) Chloroethane	1.41	64	79	245.235	ug/l # 20
7) Trichlorofluoromethane	1.43	101	127	153.439	ug/l # 17
8) Diethyl Ether	1.59	74	75	398.471	ug/l # 1
10) Methyl Iodide	1.85	142	64	59.834	ug/l # 40
11) Tert butyl alcohol	2.56	59	661	26652.436	ug/l # 1
12) 1,1-Dichloroethene	1.82	96	153	298.161	ug/l # 1
13) Acrolein	2.18	56	848	26984.591	ug/l # 87
14) Allyl chloride	2.16	41	276	488.222	ug/l # 75
15) Acrylonitrile	2.95	53	199	2519.880	ug/l # 16
16) Acetone	2.25	43	33646	367603.982	ug/l # 85
17) Carbon Disulfide	1.80	76	60	37.563	ug/l # 1
18) Methyl Acetate	2.35	43	2944	1762.263	ug/l # 87
19) Methyl tert-butyl Ether	2.47	73	113	130.175	ug/l # 1
20) Methylene Chloride	2.18	84	2008	4408.783	ug/l # 92
21) trans-1,2-Dichloroethene	2.34	96	60	124.236	ug/l # 1
22) Diisopropyl ether	2.82	45	460	312.812	ug/l # 1
23) Vinyl Acetate	3.22	43	908	1382.174	ug/l # 76
24) 1,1-Dichloroethane	2.94	63	72	81.916	ug/l # 85
25) 2-Butanone	4.39	43	1529	8212.662	ug/l # 38
26) 2,2-Dichloropropane	3.52	77	119	303.282	ug/l # 55
27) cis-1,2-Dichloroethene	3.46	96	72	107.607	ug/l # 1
29) Tetrahydrofuran	4.08	42	2430	30264.523	ug/l # 85
30) Chloroform	3.85	83	143	142.437	ug/l # 15
31) Cyclohexane	3.74	56	198	215.073	ug/l # 15
64) Tetrachloroethene	8.15	164	719	378.833	ug/l # 79
67) Ethyl Benzene	9.90	91	229	29.115	ug/l # 23
69) o-Xylene	10.71	106	156	48.081	ug/l # 9
74) N-amyl acetate	11.37	43	232	32.529	ug/l # 42
75) 1,1,2,2-Tetrachloroethane	11.62	83	82	15.925	ug/l # 23
76) 1,2,3-Trichloropropane	11.72	75	77	21.911	ug/l # 1

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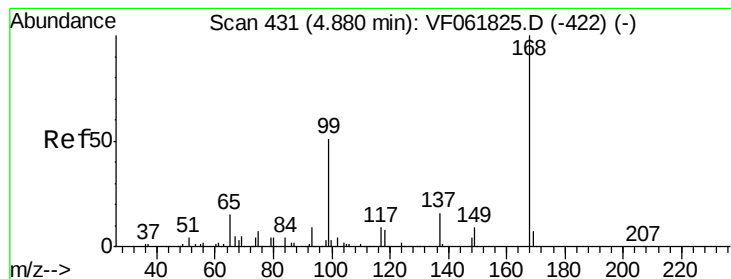
Instrument :
 MSVOA_F
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 NB-07-030819

Quant Time: Mar 12 05:14:04 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	11.59	91	382	10.919	ug/l #	54
79) 2-Chlorotoluene	11.72	91	73	3.650	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.82	105	1213	48.767	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.72	75	77	47.917	ug/l #	18
82) 4-Chlorotoluene	11.98	91	88	4.301	ug/l #	41
83) tert-Butylbenzene	12.18	119	69	2.613	ug/l #	36
84) 1,2,4-Trimethylbenzene	12.20	105	747	30.636	ug/l	94
85) sec-Butylbenzene	12.30	105	357	10.387	ug/l #	57
86) p-Isopropyltoluene	12.43	119	460	15.745	ug/l #	50
87) 1,3-Dichlorobenzene	12.46	146	64	4.521	ug/l #	1
88) 1,4-Dichlorobenzene	12.56	146	67	4.906	ug/l #	24
89) n-Butylbenzene	12.84	91	768	27.507	ug/l #	57
90) Hexachloroethane	12.84	117	89	12.656	ug/l #	24
91) 1,2-Dichlorobenzene	12.93	146	86	6.412	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.20	180	89	9.465	ug/l #	11
95) Naphthalene	14.45	128	1206	72.006	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.60	180	88	10.135	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.92 min Scan# 435

Delta R.T. 0.04 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

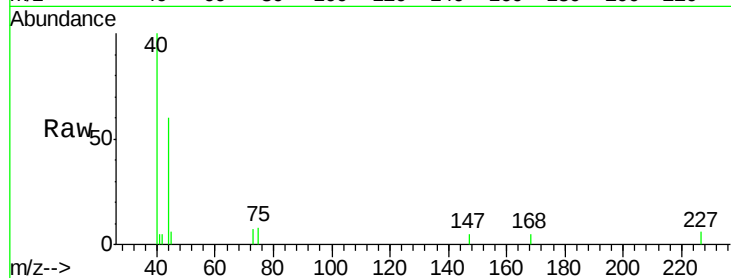
NB-07-030819

Tot Ion:168 Resp: 60

Ion Ratio Lower Upper

168 100

99 0.0 40.8 61.2#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.92

100

80

60

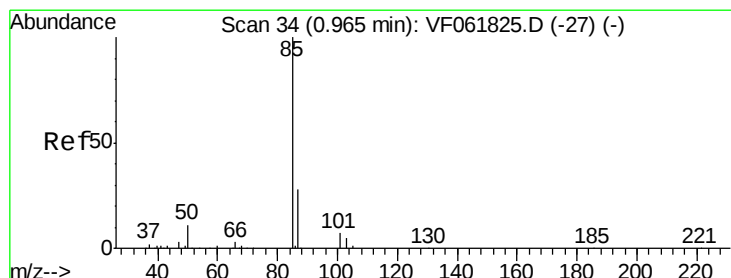
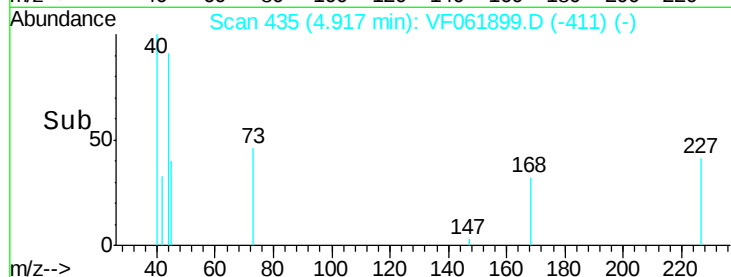
40

20

0

4.88 4.90 4.92 4.94

Time-->



#2

Dichlorodifluoromethane

Concen: 88.241 ug/l

RT: 0.87 min Scan# 25

Delta R.T. -0.09 min

Lab File: VF061899.D

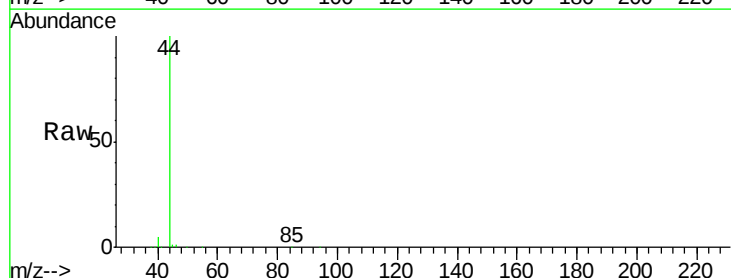
Acq: 11 Mar 2019 19:50

Tgt Ion: 85 Resp: 65

Ion Ratio Lower Upper

85 100

87 0.0 14.1 42.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.87

120

100

80

60

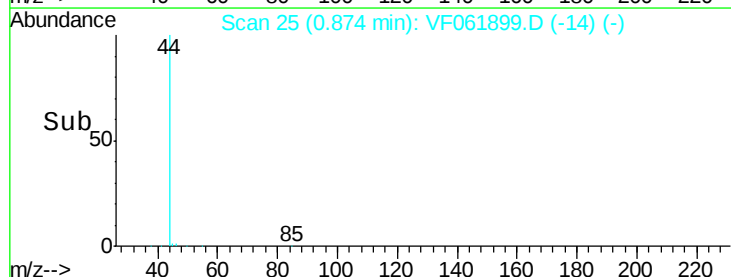
40

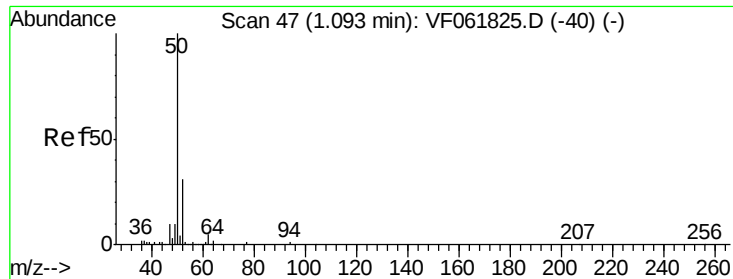
20

0

0.84 0.86 0.88 0.90

Time-->





#3

Chloromethane

Concen: 344.589 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.04 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

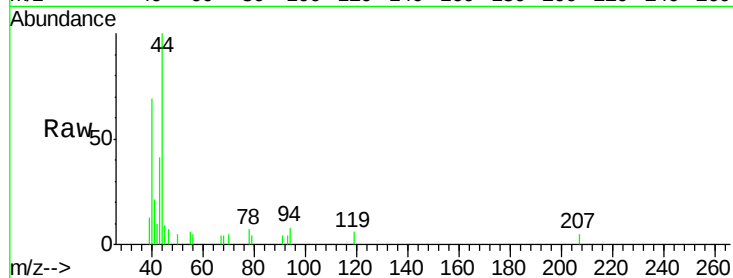
NB-07-030819

Tot Ion: 50 Resp: 246

Ion Ratio Lower Upper

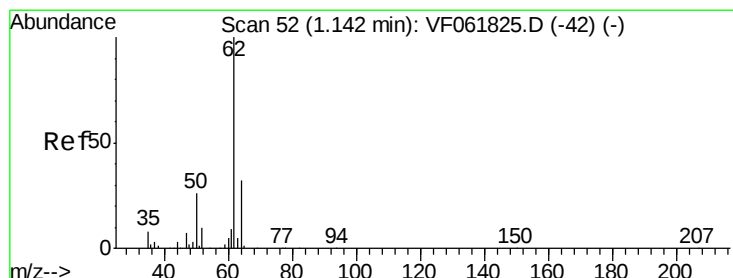
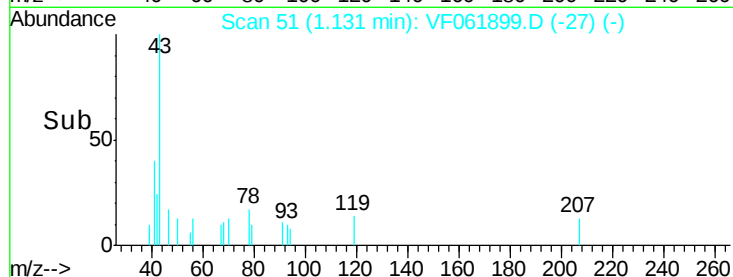
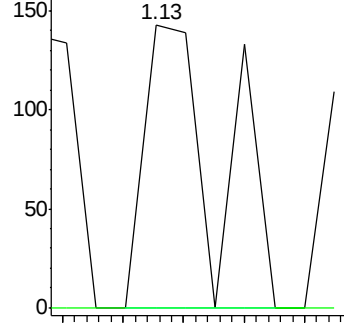
50 100

52 0.0 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 100.340 ug/l

RT: 1.20 min Scan# 58

Delta R.T. 0.06 min

Lab File: VF061899.D

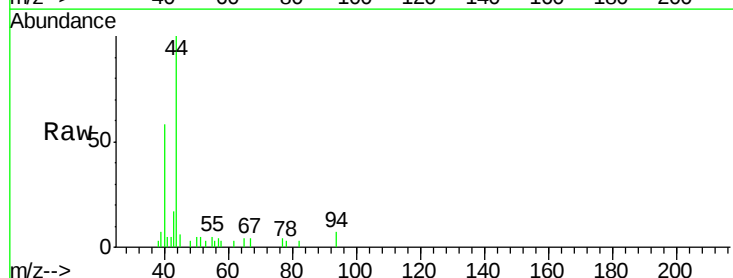
Acq: 11 Mar 2019 19:50

Tgt Ion: 62 Resp: 68

Ion Ratio Lower Upper

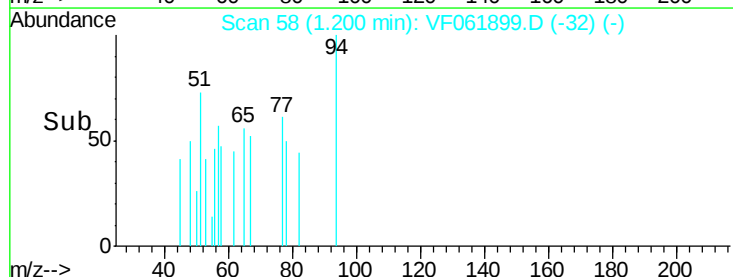
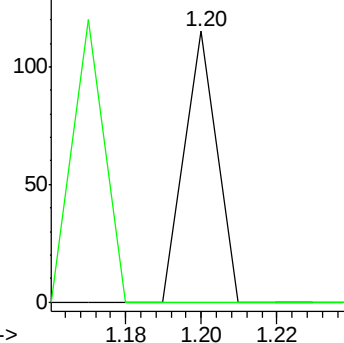
62 100

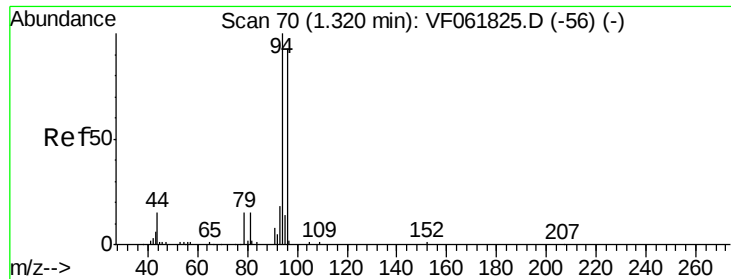
64 0.0 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 1093.416 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

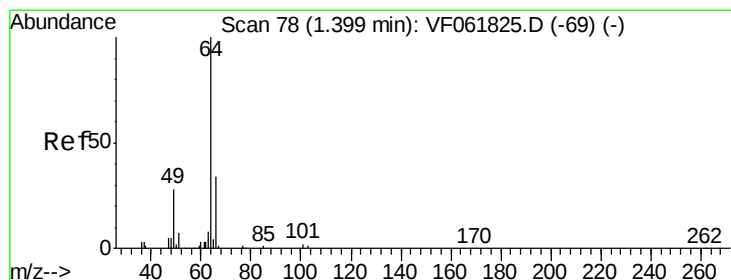
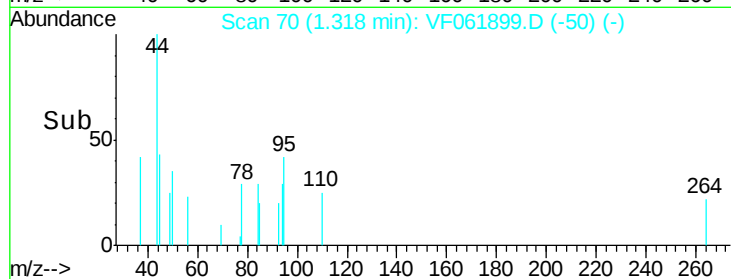
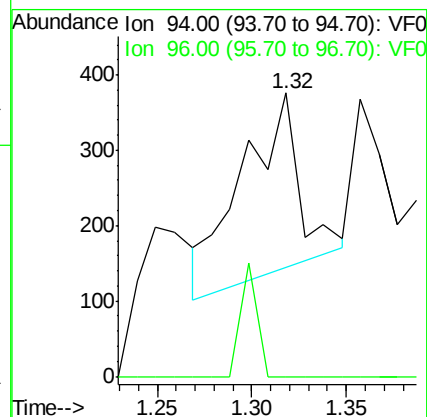
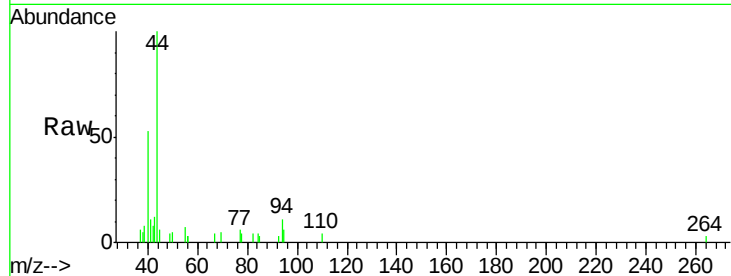
NB-07-030819

Tot Ion: 94 Resp: 505

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



#6

Chloroethane

Concen: 245.235 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.01 min

Lab File: VF061899.D

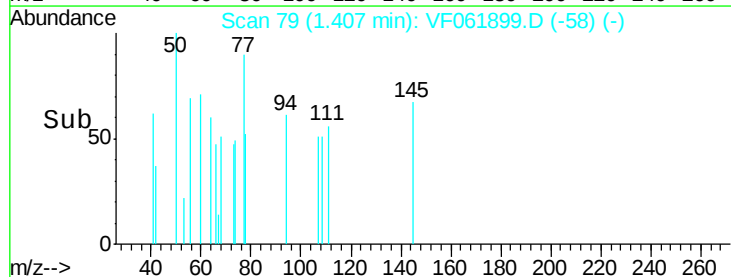
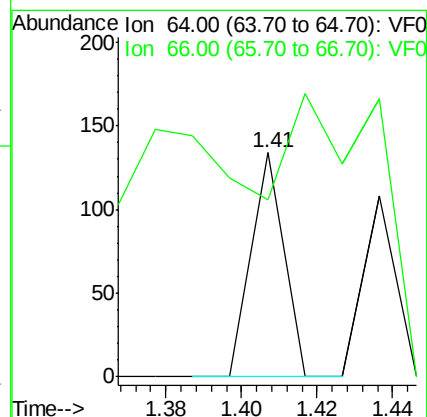
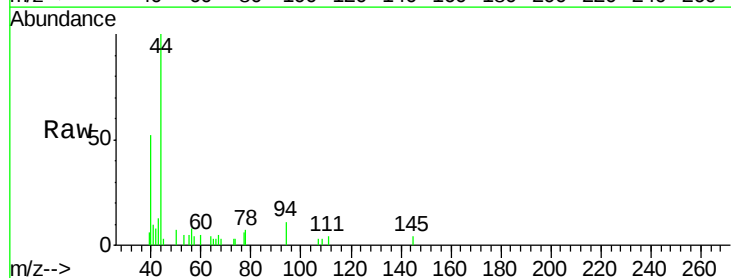
Acq: 11 Mar 2019 19:50

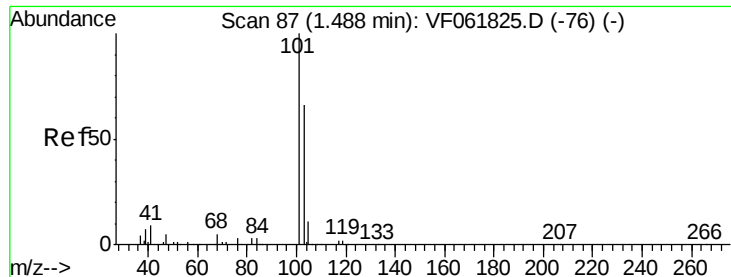
Tgt Ion: 64 Resp: 79

Ion Ratio Lower Upper

64 100

66 79.1 27.0 40.4#





#7

Trichlorofluoromethane

Concen: 153.439 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.06 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

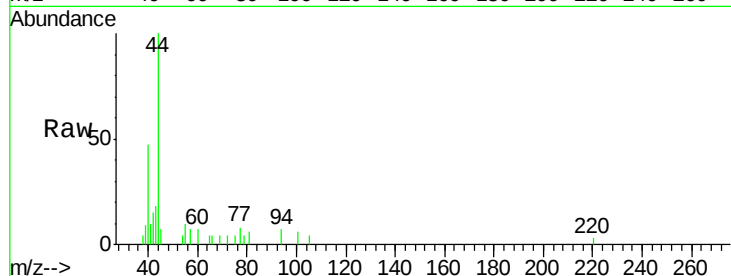
NB-07-030819

Tot Ion:101 Resp: 127

Ion Ratio Lower Upper

101 100

103 0.0 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.43

200

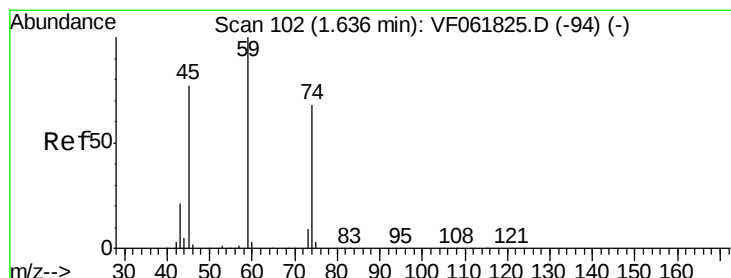
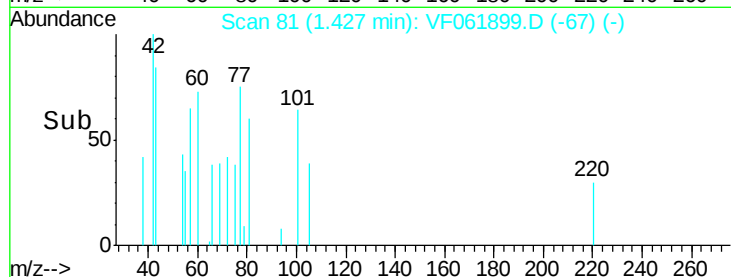
150

100

50

0

Time-->



#8

Diethyl Ether

Concen: 398.471 ug/l

RT: 1.59 min Scan# 98

Delta R.T. -0.04 min

Lab File: VF061899.D

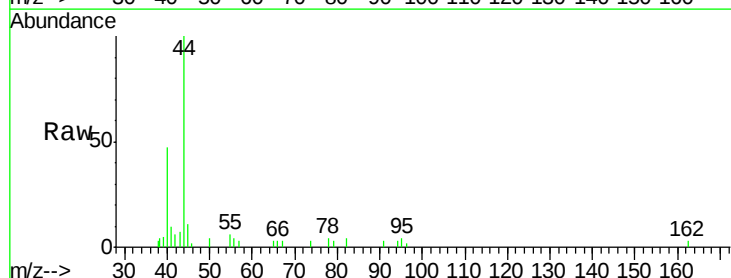
Acq: 11 Mar 2019 19:50

Tgt Ion: 74 Resp: 75

Ion Ratio Lower Upper

74 100

45 373.2 57.2 171.6#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

500

400

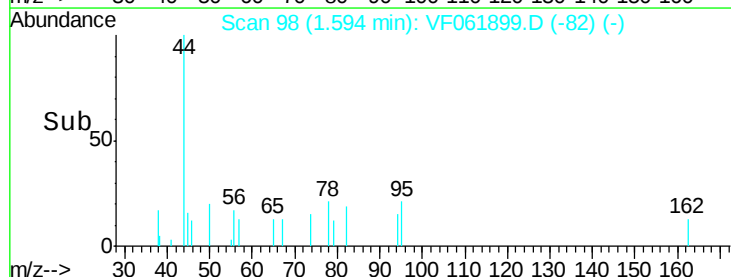
300

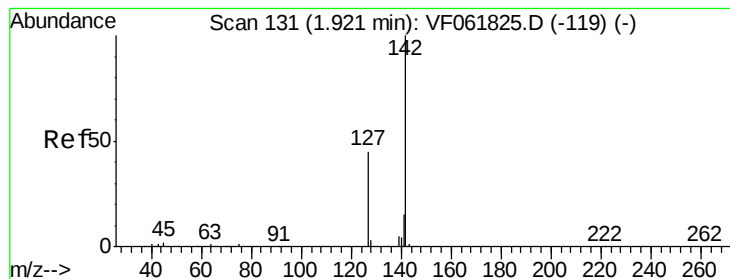
200

100

0

Time-->





#10

Methyl Iodide

Concen: 59.834 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.07 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

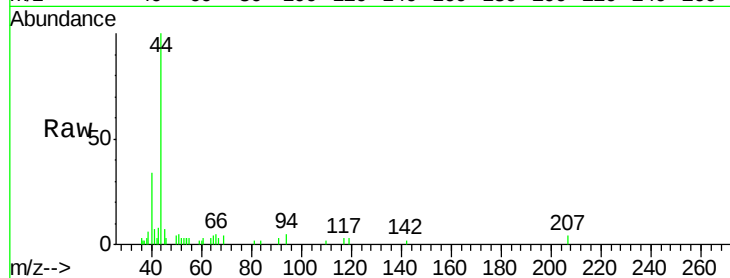
Instrument :

MSVOA_F

ClientSampled :

NB-07-030819

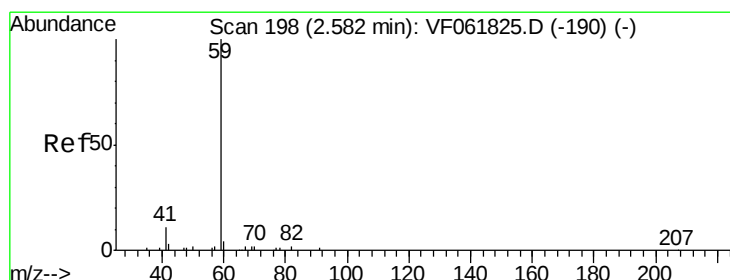
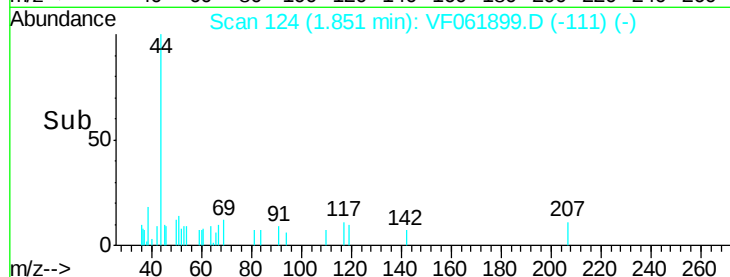
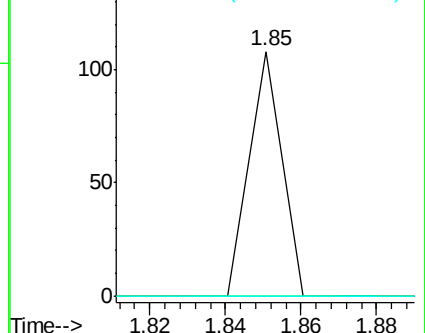
Tot Ion:	142	Resp:	64
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.8	53.6#
141	0.0	11.7	17.5#



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: 26652.436 ug/l

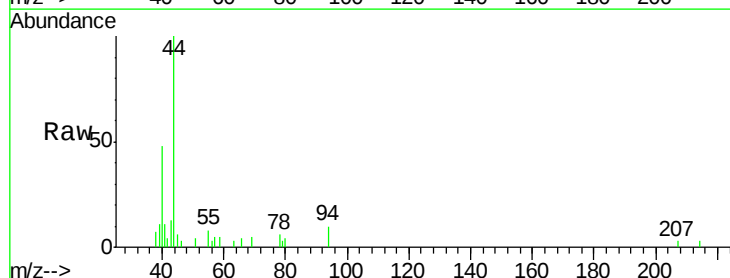
RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061899.D

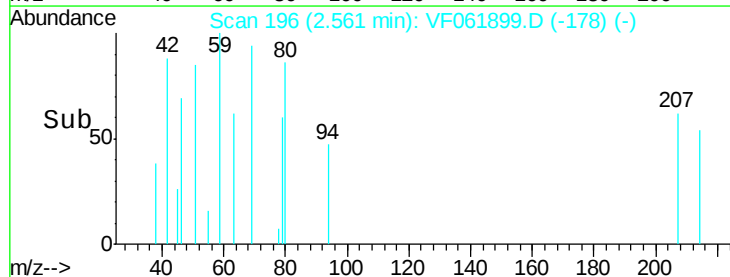
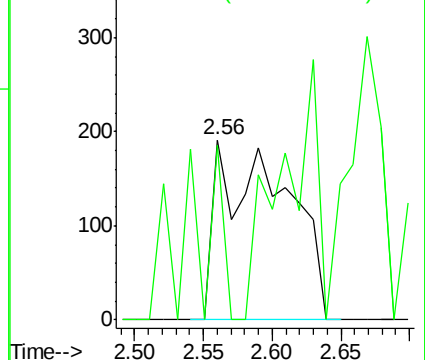
Acq: 11 Mar 2019 19:50

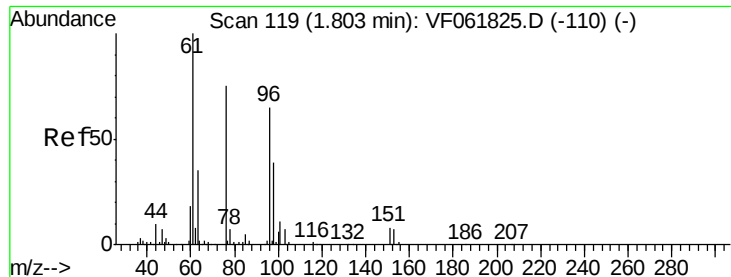
Tgt Ion:	59	Resp:	661
Ion	Ratio	Lower	Upper
59	100		
57	97.4	11.8	17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 298.161 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.02 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

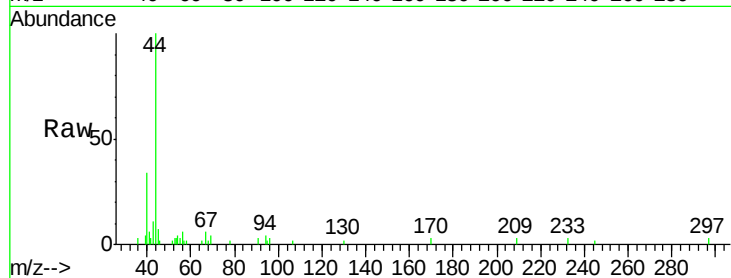
Tot Ion: 96 Resp: 153

Ion Ratio Lower Upper

96 100

61 0.0 122.5 183.7#

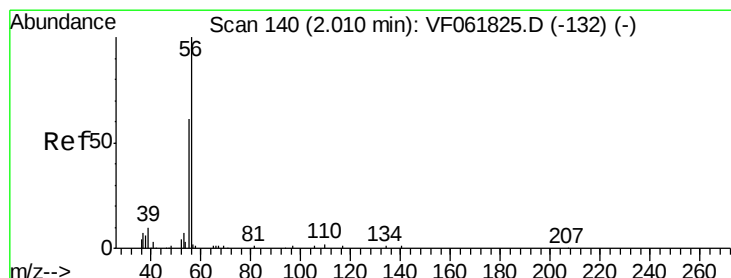
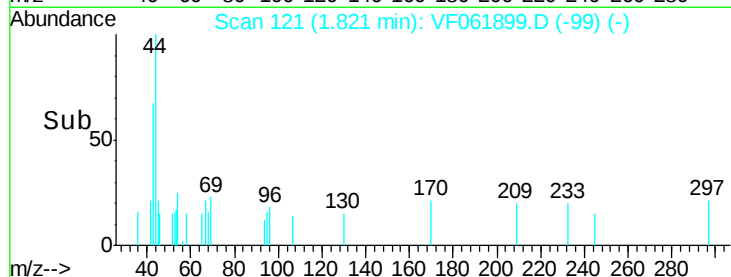
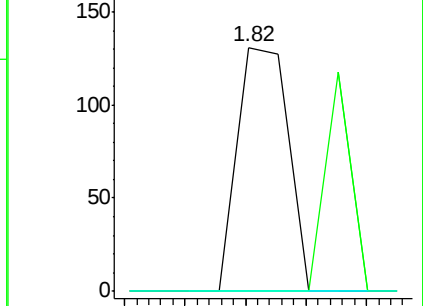
98 0.0 47.1 70.7#



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



#13

Acrolein

Concen: 26984.591 ug/l

RT: 2.18 min Scan# 157

Delta R.T. 0.17 min

Lab File: VF061899.D

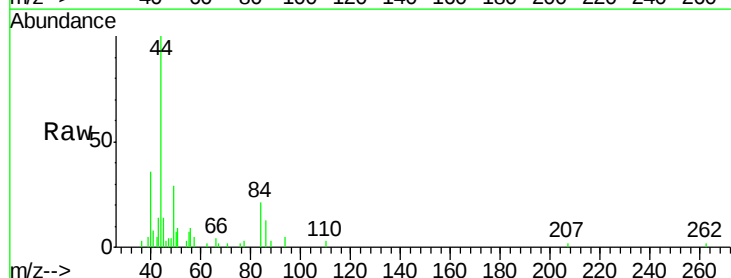
Acq: 11 Mar 2019 19:50

Tgt Ion: 56 Resp: 848

Ion Ratio Lower Upper

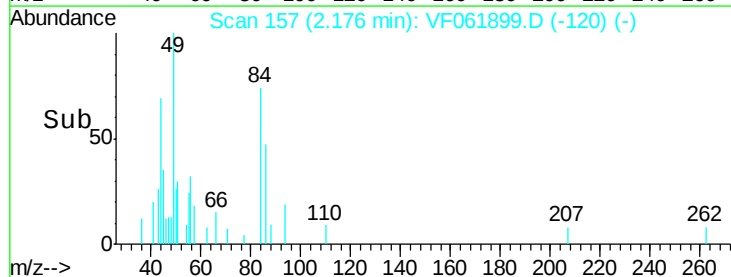
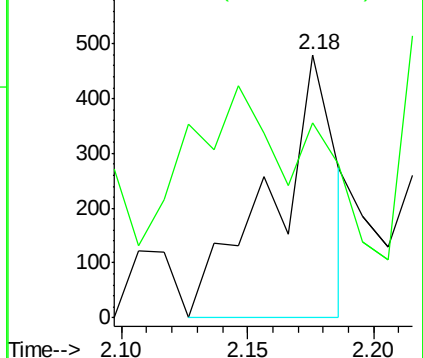
56 100

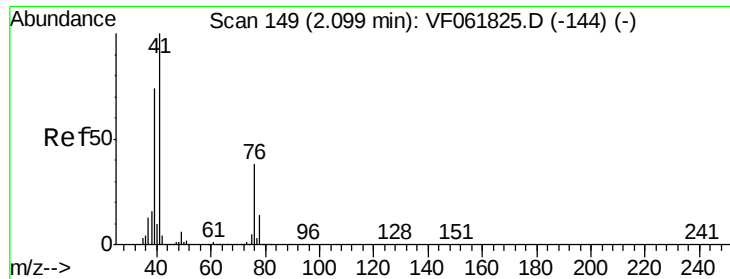
55 74.0 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

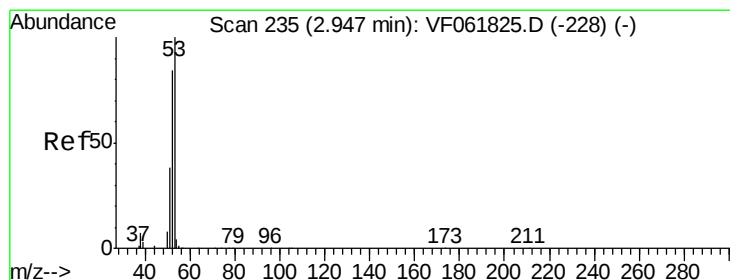
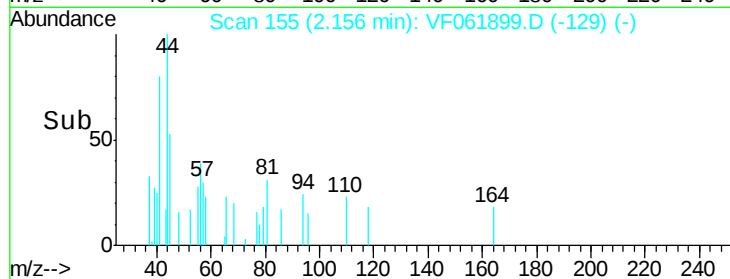
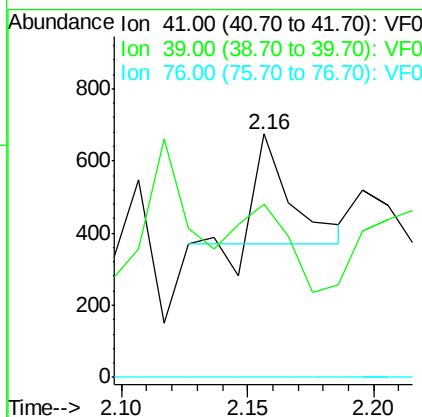
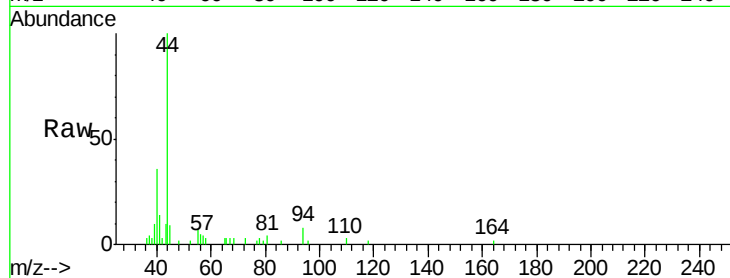




#14
Allvl chloride
Concen: 488.222 ug/l
RT: 2.16 min Scan# 155
Delta R.T. 0.06 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

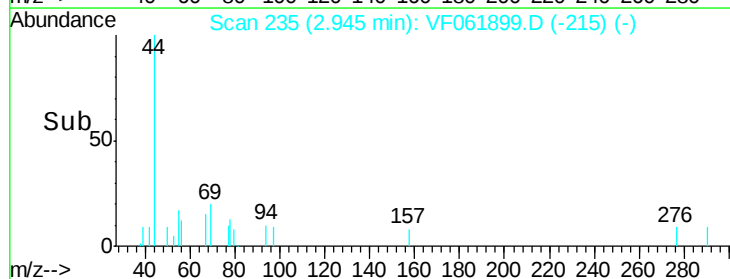
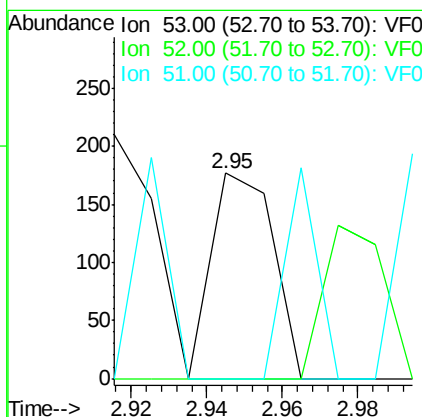
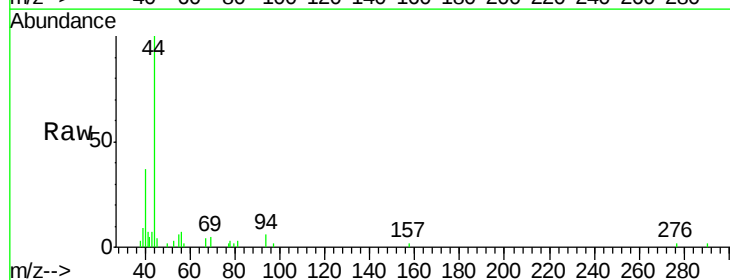
Instrument :
MSVOA_F
ClientSampleId :
NB-07-030819

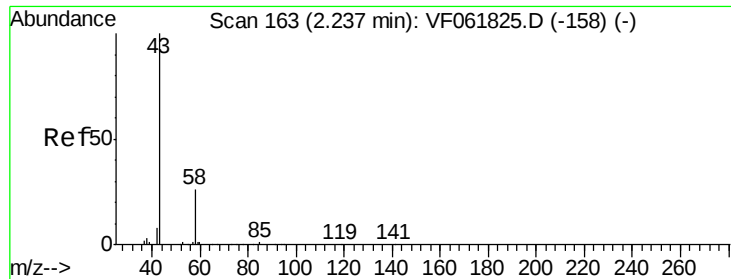
Tot Ion: 41 Resp: 276
Ion Ratio Lower Upper
41 100
39 71.3 59.6 89.4
76 0.0 32.3 48.5#



#15
Acrylonitrile
Concen: 2519.880 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.00 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Tgt Ion: 53 Resp: 199
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 0.0 30.7 46.1#





#16

Acetone

Concen: 367603.982 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

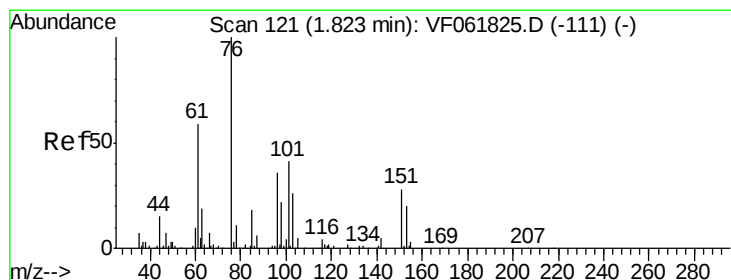
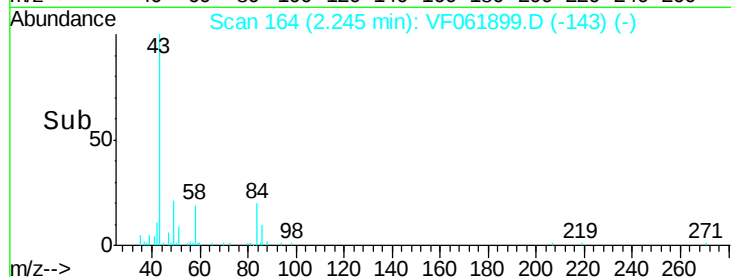
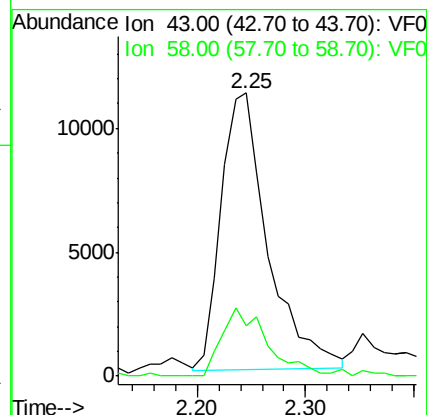
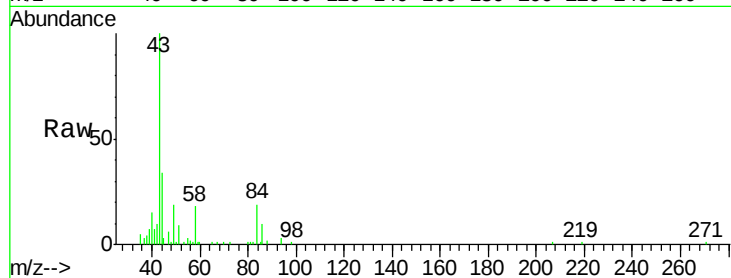
NB-07-030819

Tot Ion: 43 Resp: 33646

Ion Ratio Lower Upper

43 100

58 17.7 20.3 30.5#



#17

Carbon Disulfide

Concen: 37.563 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061899.D

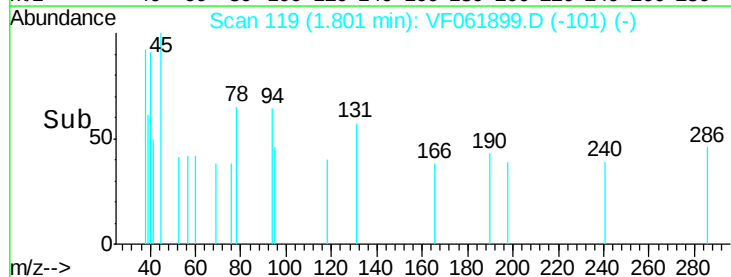
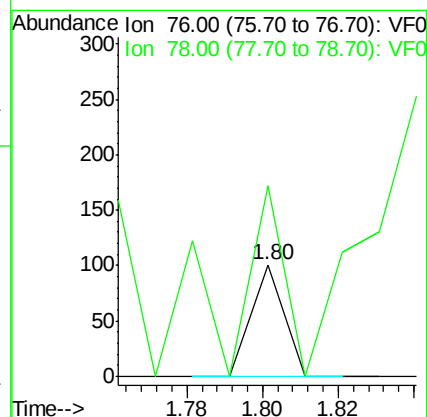
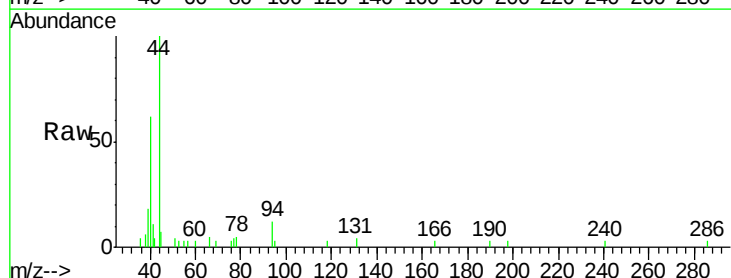
Acq: 11 Mar 2019 19:50

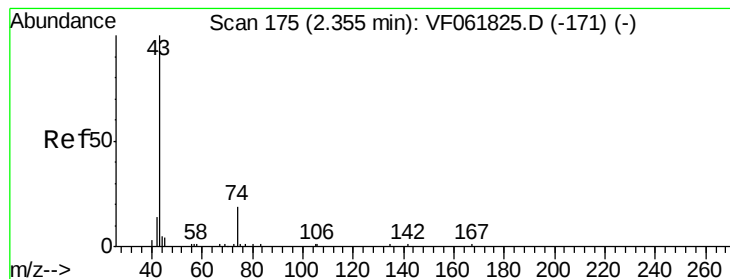
Tgt Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 170.3 9.1 13.7#





#18

Methyl Acetate

Concen: 1762.263 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

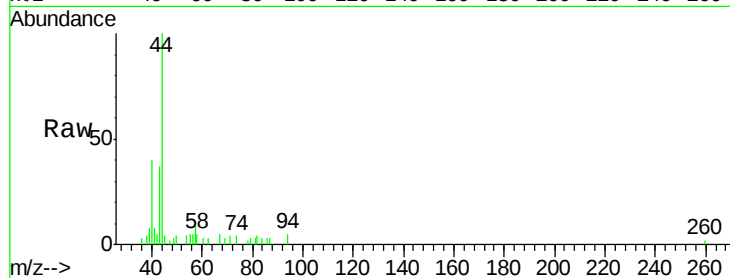
NB-07-030819

Tot Ion: 43 Resp: 2944

Ion Ratio Lower Upper

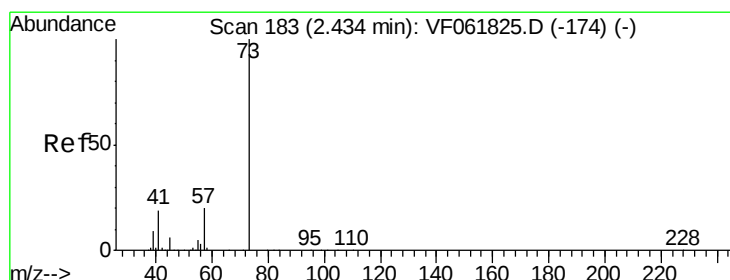
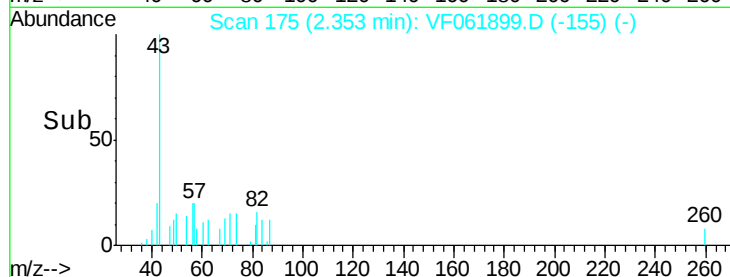
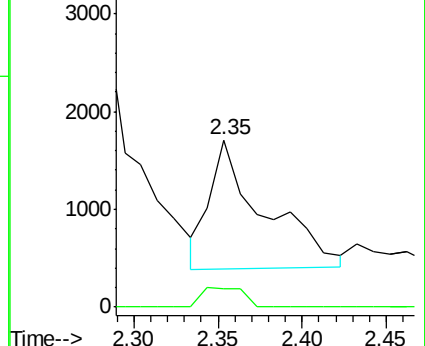
43 100

74 11.1 13.2 19.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#19

Methyl tert-butyl Ether

Concen: 130.175 ug/l

RT: 2.47 min Scan# 187

Delta R.T. 0.04 min

Lab File: VF061899.D

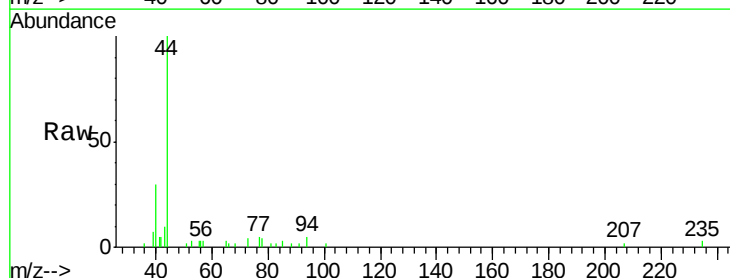
Acq: 11 Mar 2019 19:50

Tgt Ion: 73 Resp: 113

Ion Ratio Lower Upper

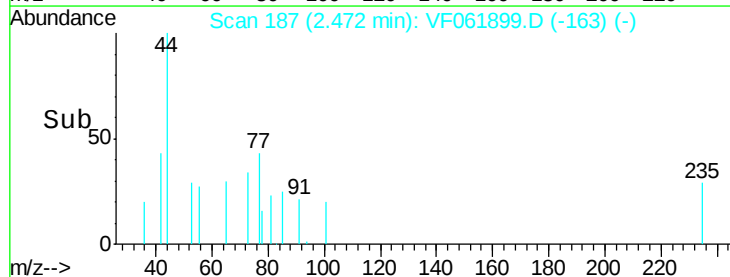
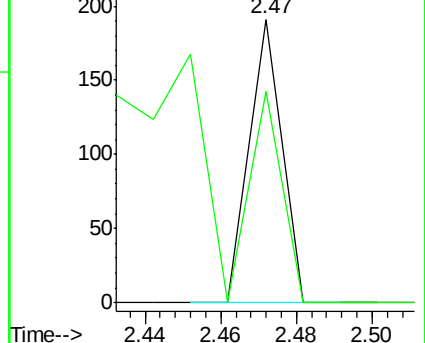
73 100

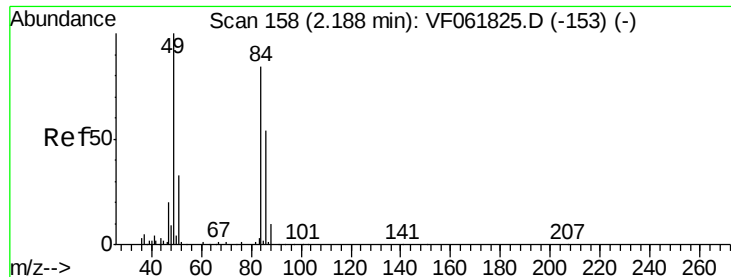
57 74.9 16.1 24.1#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

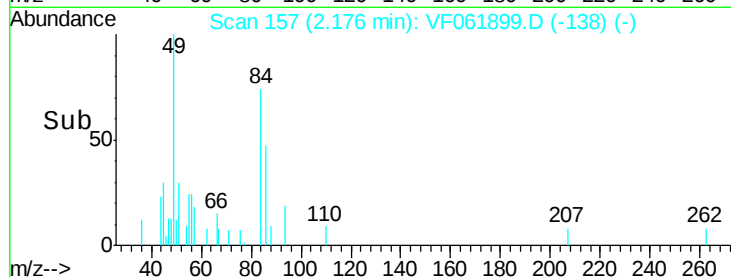
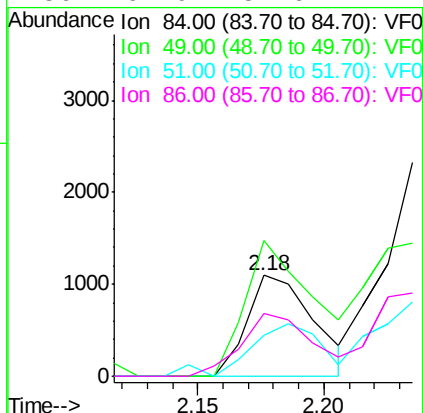
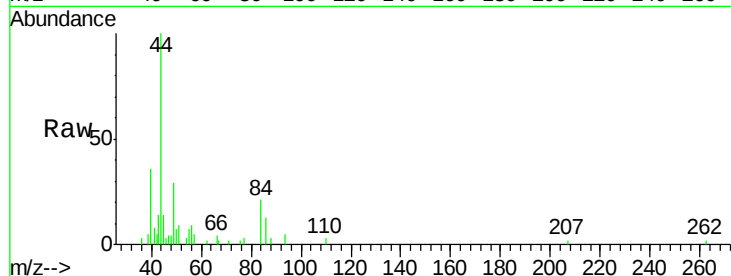




#20
Methvlene Chloride
Concen: 4408.783 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

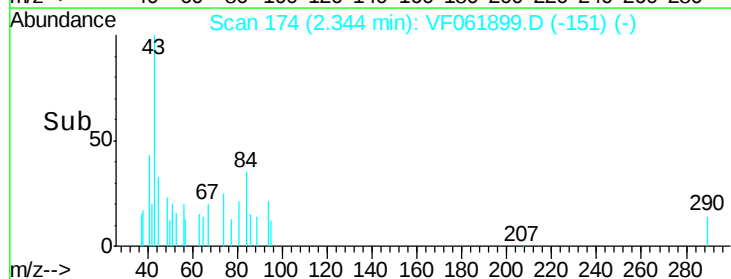
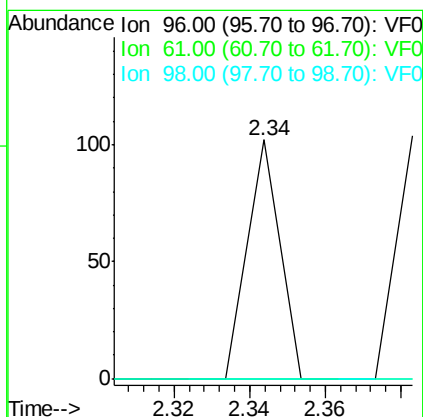
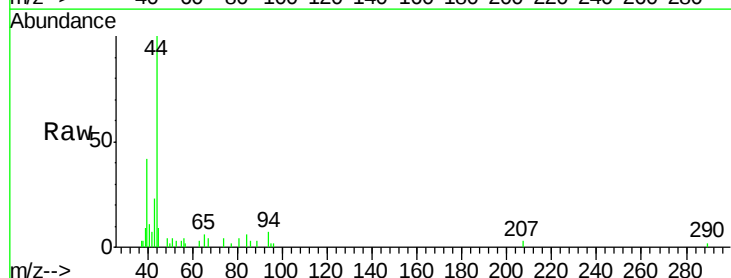
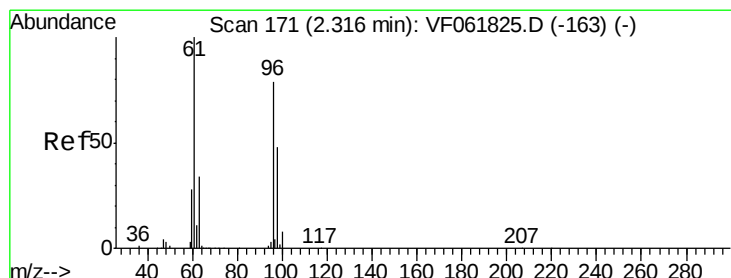
Instrument :
MSVOA_F
ClientSampleId :
NB-07-030819

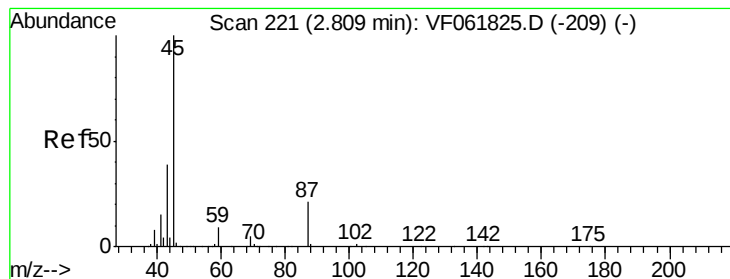
Tot Ion:	84	Resp:	2008
Ion	Ratio	Lower	Upper
84	100		
49	135.2	96.8	145.2
51	40.9	31.8	47.6
86	62.9	51.6	77.4



#21
trans-1,2-Dichloroethene
Concen: 124.236 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.03 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Tgt Ion:	96	Resp:	60
Ion	Ratio	Lower	Upper
96	100		
61	0.0	101.0	151.6#
98	0.0	48.8	73.2#





#22

Diisopropyl ether

Concen: 312.812 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

Tot Ion: 45 Resp: 460

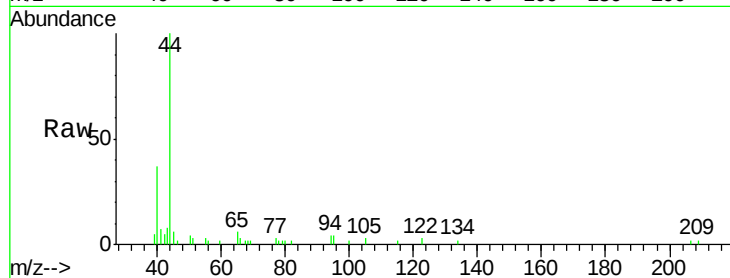
Ion Ratio Lower Upper

45 100

43 141.4 31.8 47.8#

87 0.0 17.1 25.7#

59 38.4 7.8 11.6#



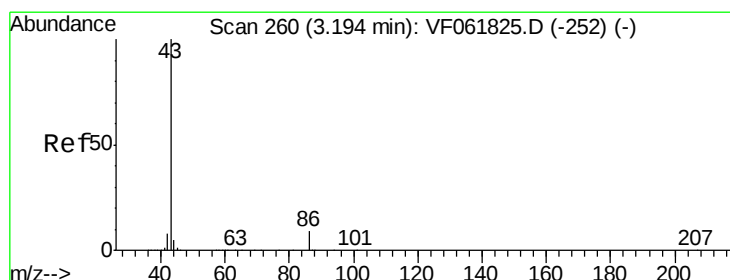
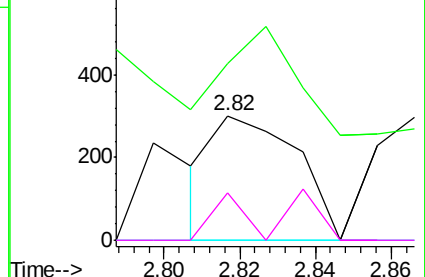
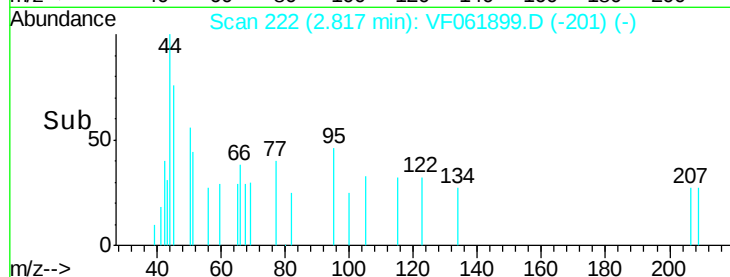
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

Time-->



#23

Vinyl Acetate

Concen: 1382.174 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF061899.D

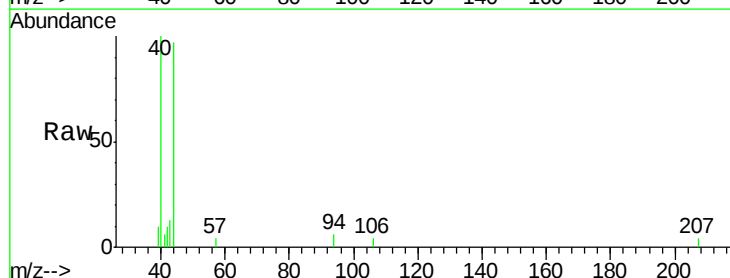
Acq: 11 Mar 2019 19:50

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

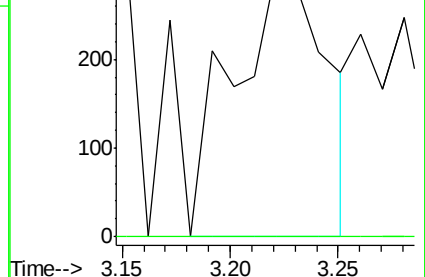
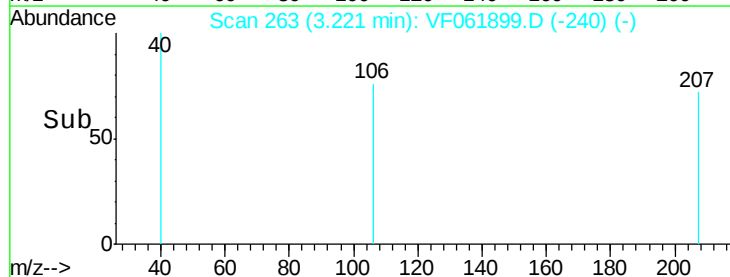
86 0.0 7.0 10.4#

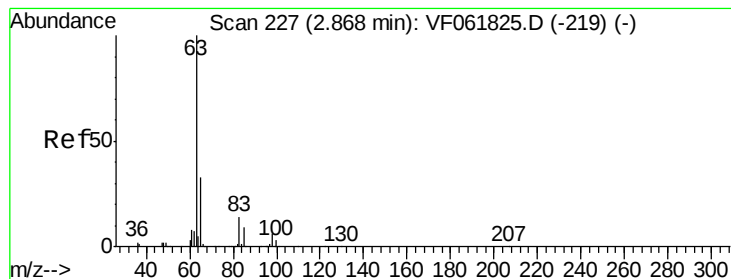


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

Time-->





#24

1,1-Dichloroethane

Concen: 81.916 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.07 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

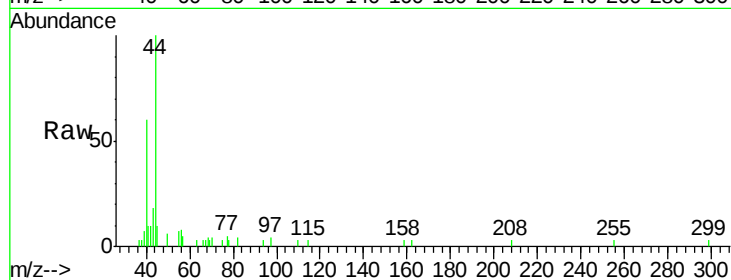
Tot Ion: 63 Resp: 72

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

100 0.0 1.8 5.3#



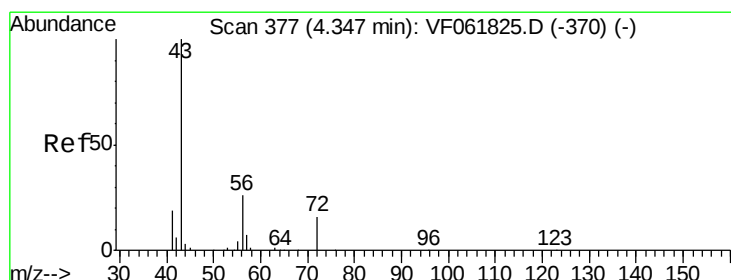
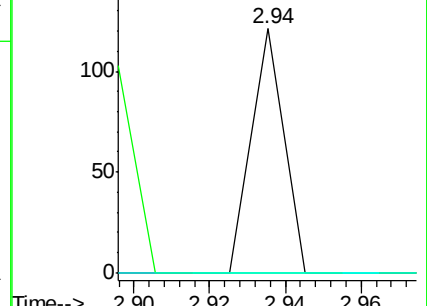
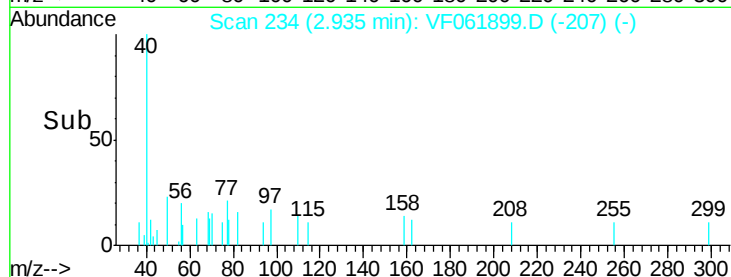
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.94

Time-->



#25

2-Butanone

Concen: 8212.662 ug/l

RT: 4.39 min Scan# 382

Delta R.T. 0.05 min

Lab File: VF061899.D

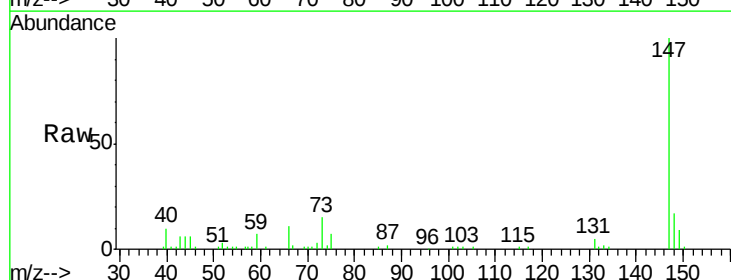
Acq: 11 Mar 2019 19:50

Tgt Ion: 43 Resp: 1529

Ion Ratio Lower Upper

43 100

72 49.1 16.2 24.4#

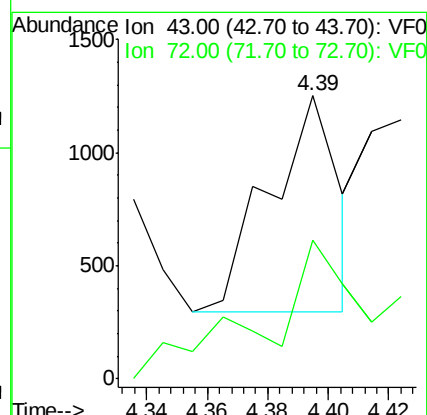
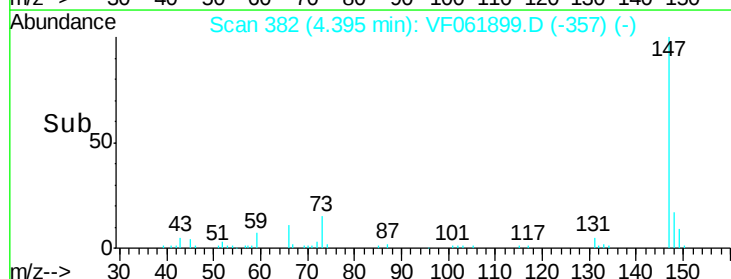


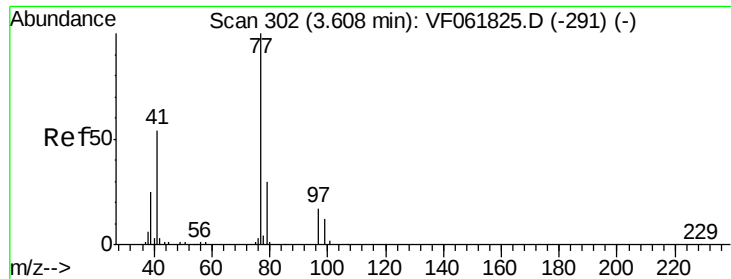
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.39

Time-->





#26

2,2-Dichloropropane

Concen: 303.282 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.09 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

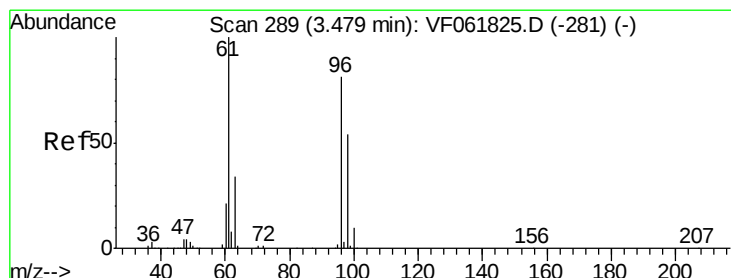
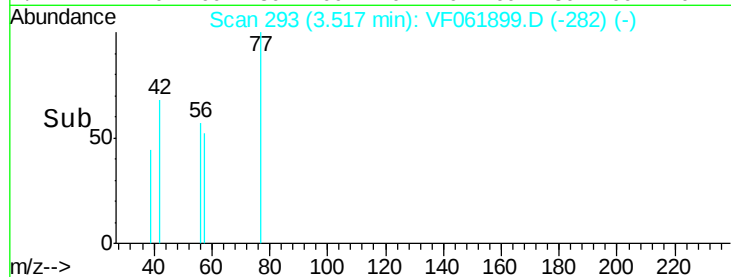
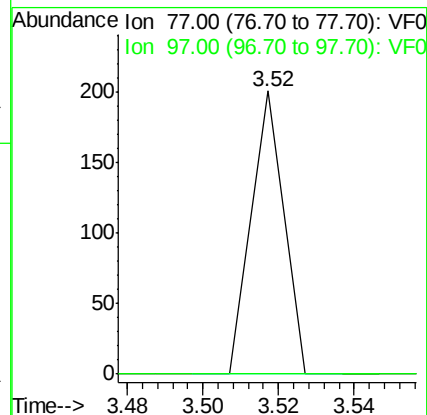
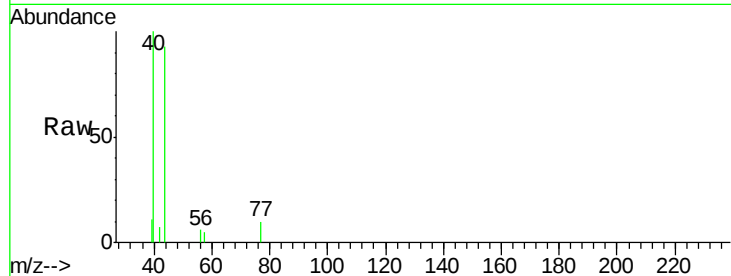
NB-07-030819

Tot Ion: 77 Resp: 119

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#27

cis-1,2-Dichloroethene

Concen: 107.607 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.02 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

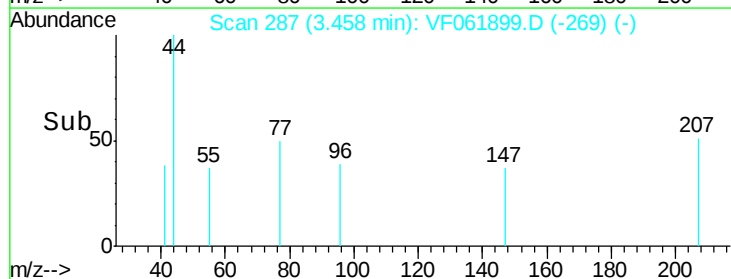
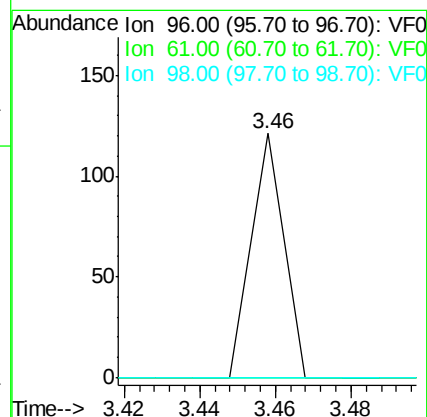
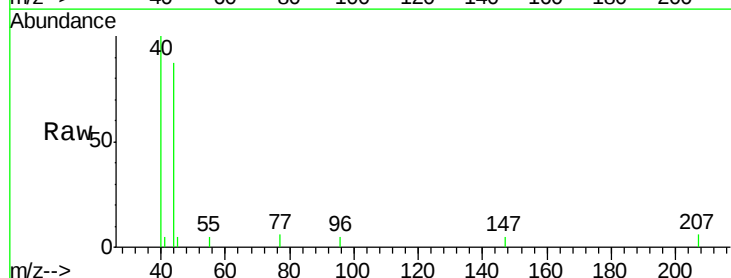
Tgt Ion: 96 Resp: 72

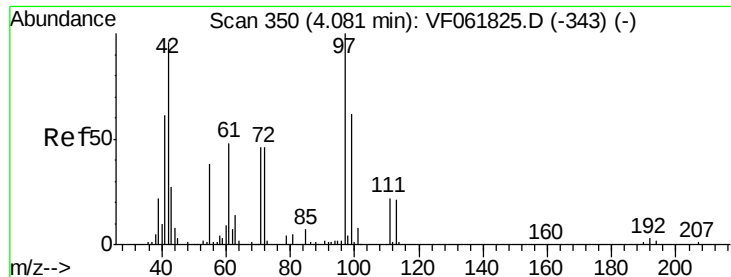
Ion Ratio Lower Upper

96 100

61 0.0 0.0 245.8

98 0.0 0.0 132.6





#29

Tetrahydrofuran

Concen: 30264.523 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

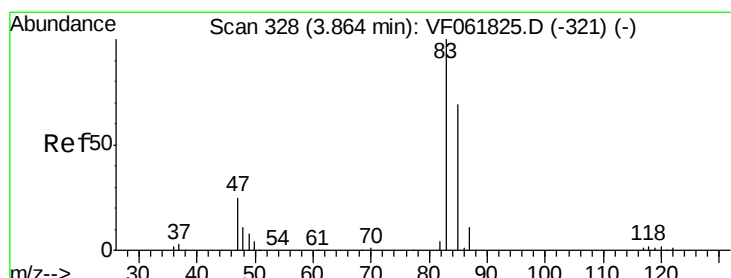
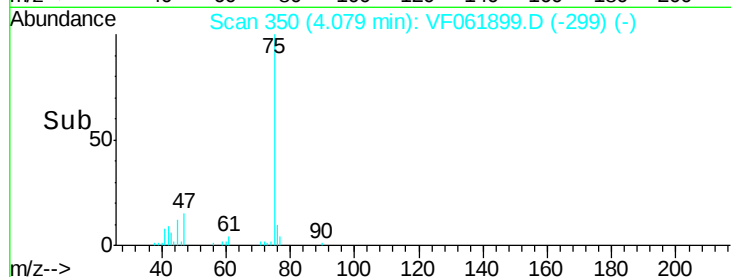
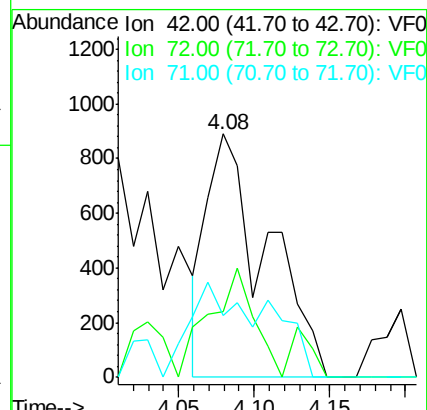
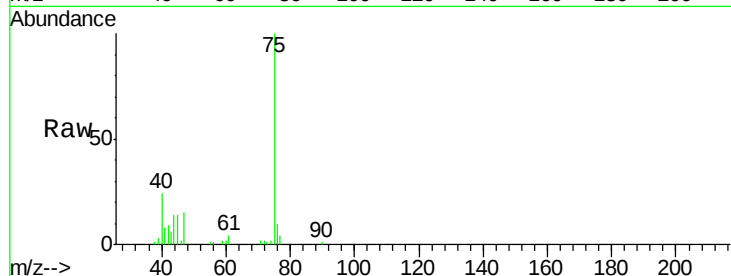
Tot Ion: 42 Resp: 2430

Ion Ratio Lower Upper

42 100

72 33.9 34.4 51.6#

71 33.5 34.6 52.0#



#30

Chloroform

Concen: 142.437 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF061899.D

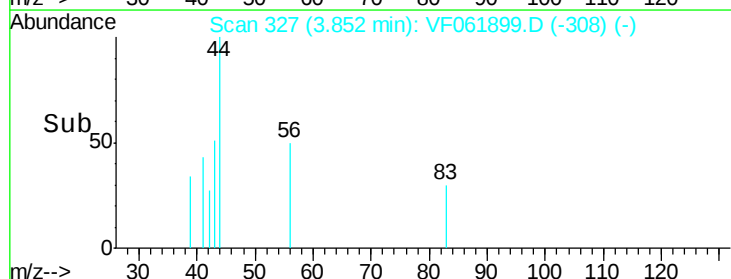
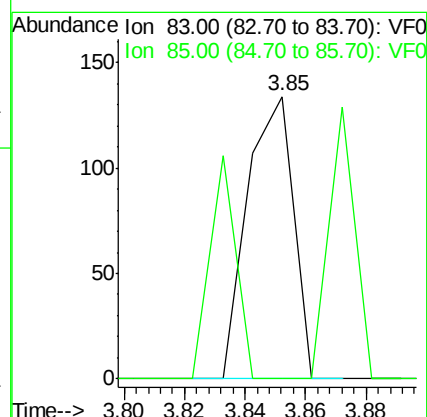
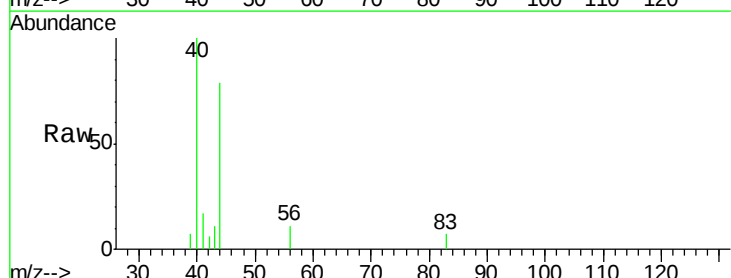
Acq: 11 Mar 2019 19:50

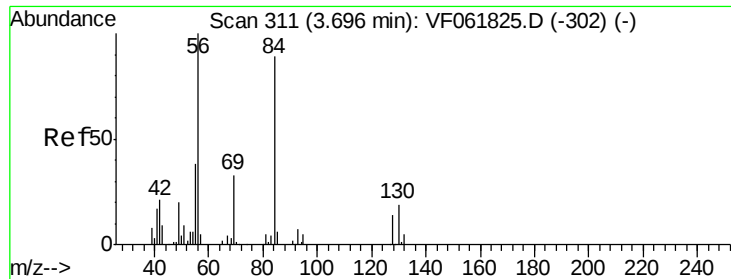
Tgt Ion: 83 Resp: 143

Ion Ratio Lower Upper

83 100

85 0.0 55.3 82.9#

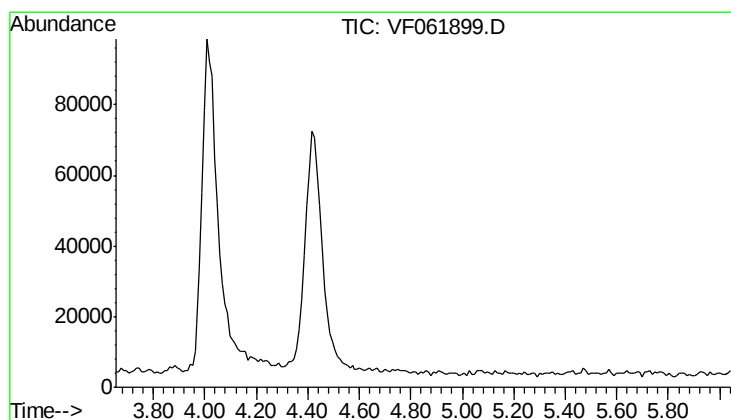
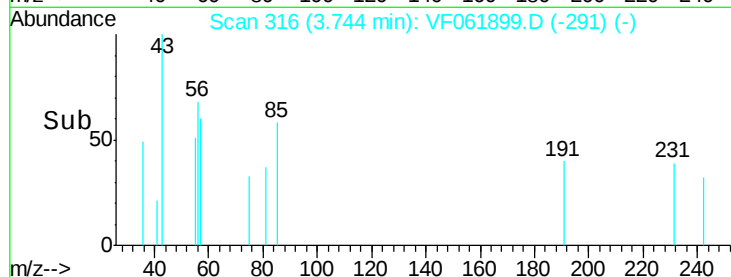
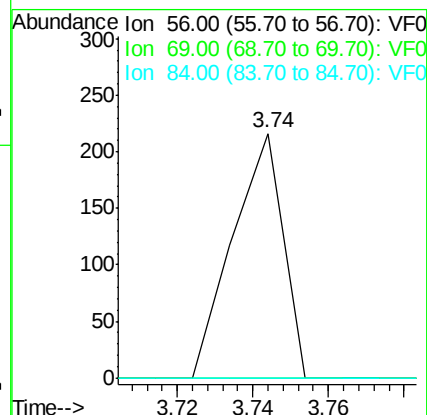
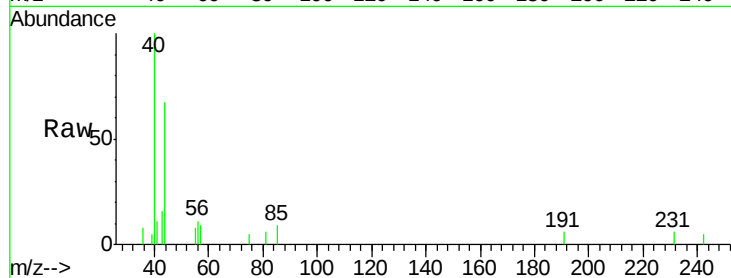




#31
Cyclohexane
Concen: 215.073 ug/l
RT: 3.74 min Scan# 316
Delta R.T. 0.05 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Instrument :
MSVOA_F
ClientSampleId :
NB-07-030819

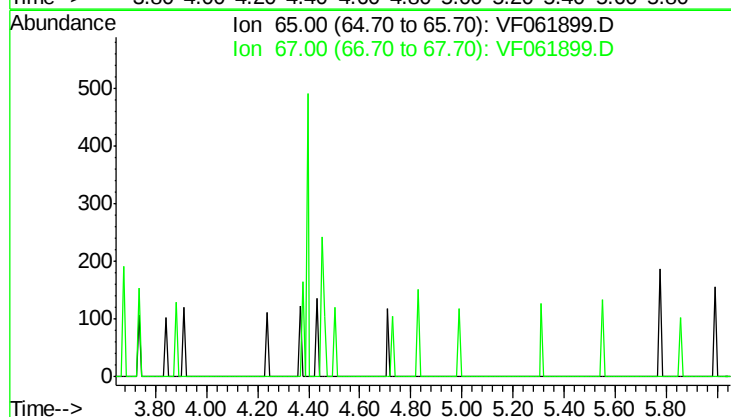
Tot Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
69 0.0 26.0 39.0#
84 0.0 71.0 106.6#

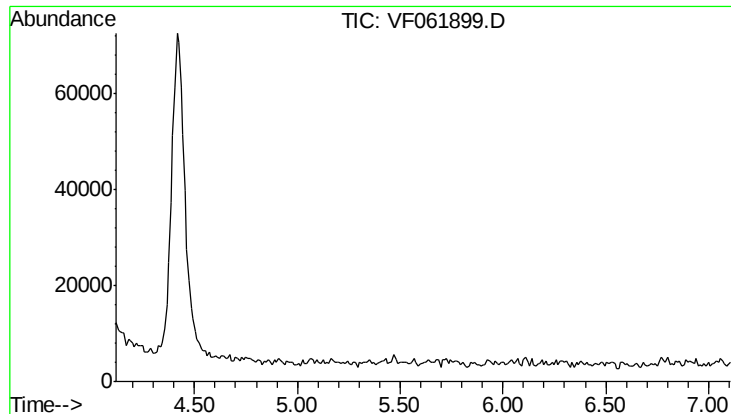


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 4.85 min

Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Tgt Ion: 65
Sig Exp Ratio
65 100
67 54.3



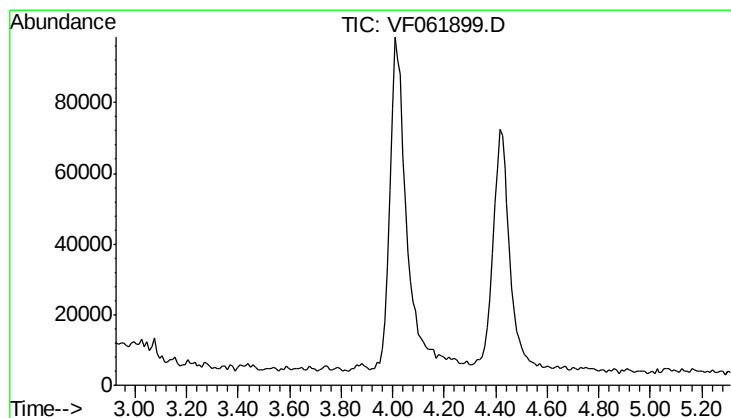
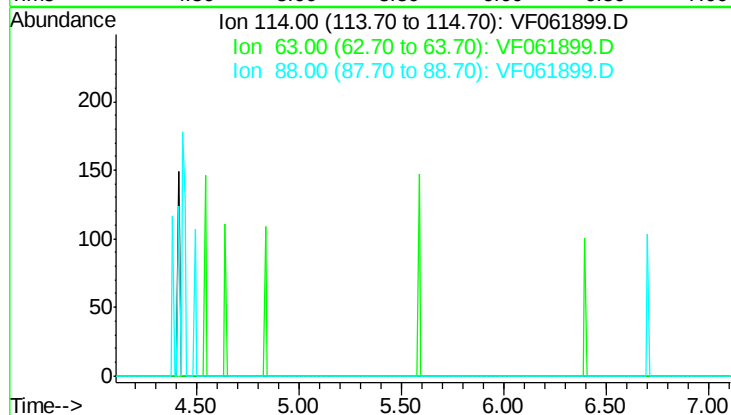


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.61 min

Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

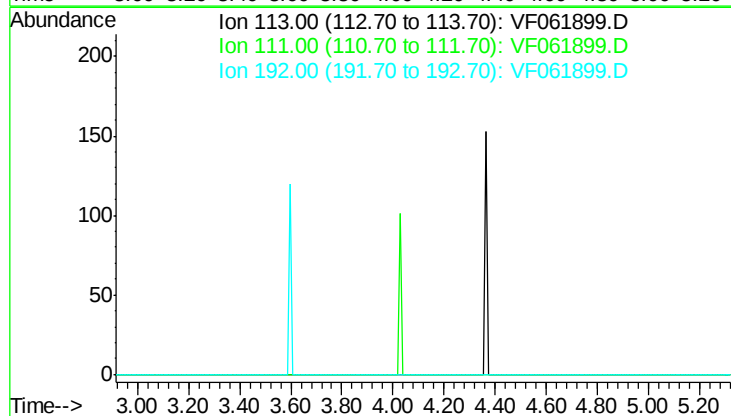
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 17.8
 88 17.8

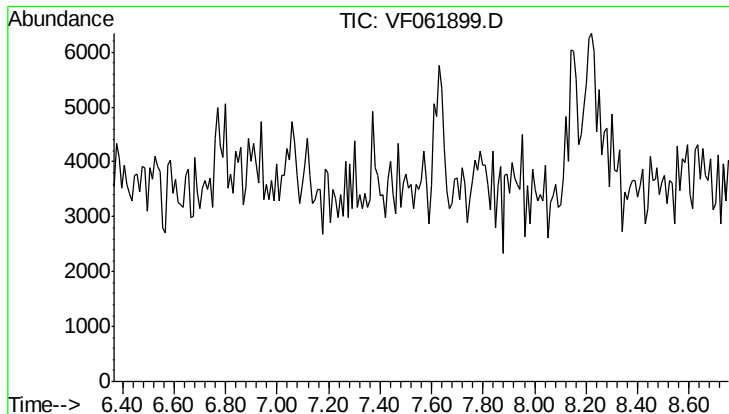


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.12 min

Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 97.0
 192 19.9



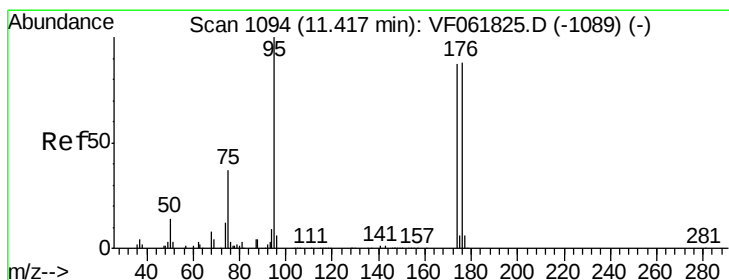
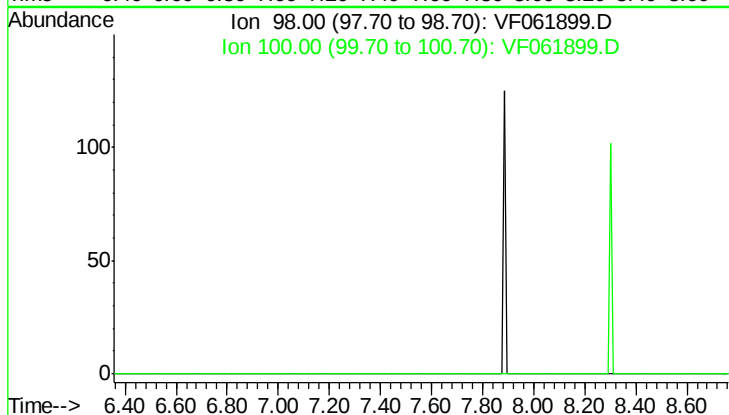


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.56 min

Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

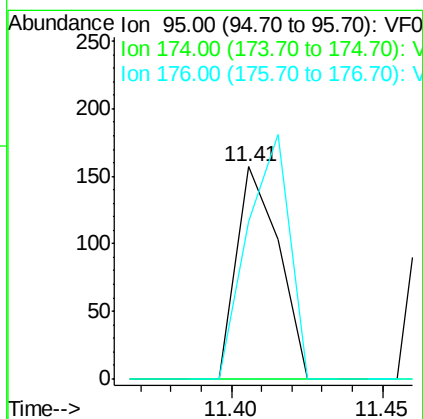
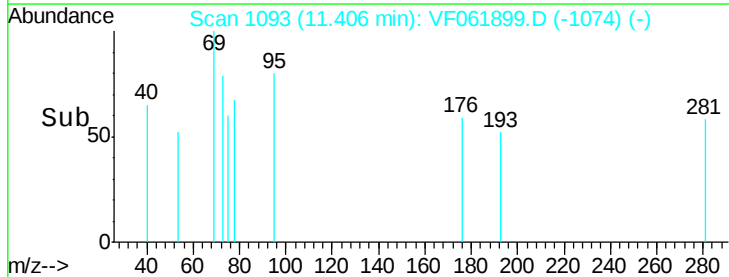
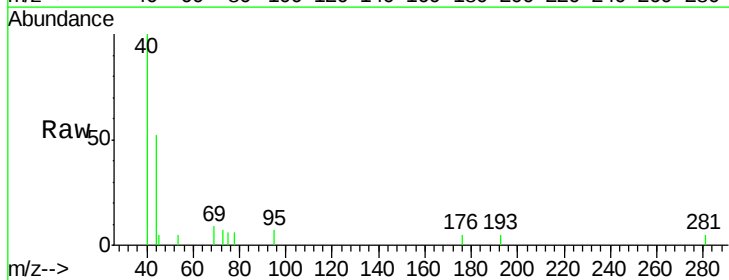
Instrument :
MSVOA_F
ClientSampleId :
NB-07-030819

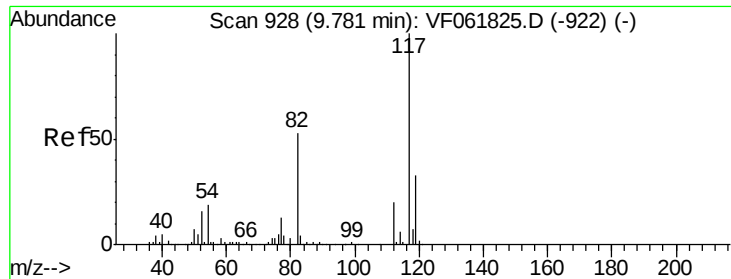
Tot Ion: 98
Sig Exp Ratio
98 100
100 70.0



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Tgt Ion: 95 Resp: 154
Ion Ratio Lower Upper
95 100
174 0.0 0.0 174.0
176 73.9 0.0 175.2

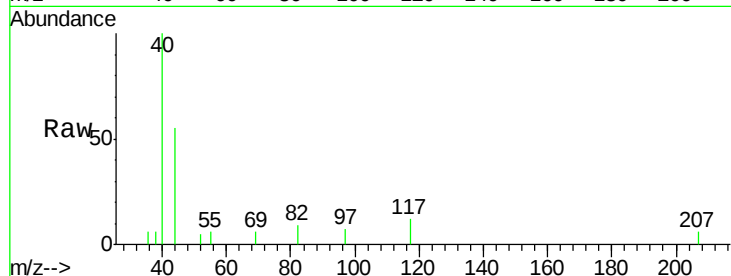




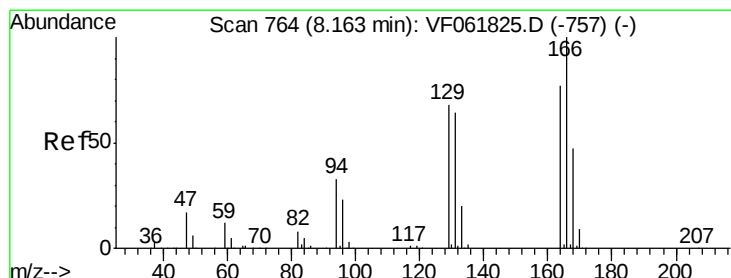
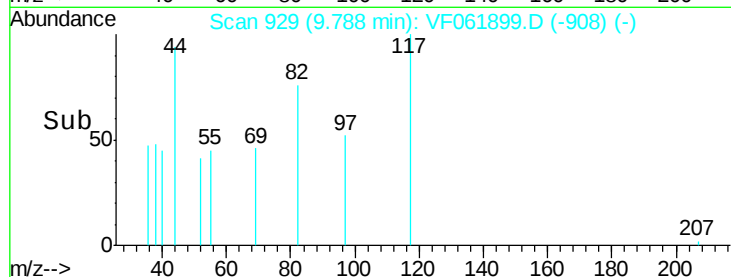
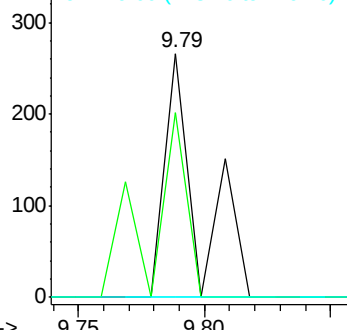
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Instrument :
MSVOA_F
ClientSampleId :
NB-07-030819

Tot Ion:117 Resp: 247
Ion Ratio Lower Upper
117 100
82 75.6 42.6 63.8#
119 0.0 26.0 39.0#

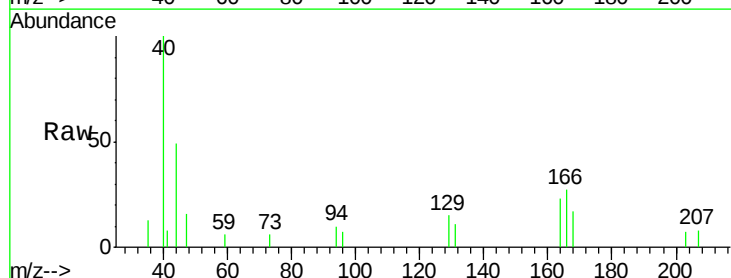


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

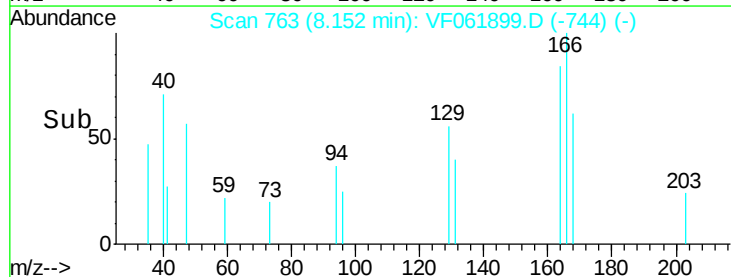
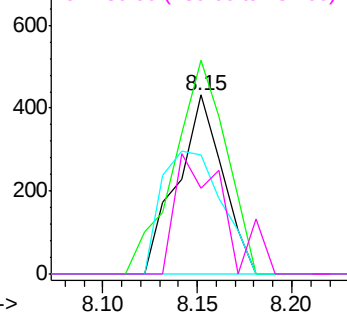


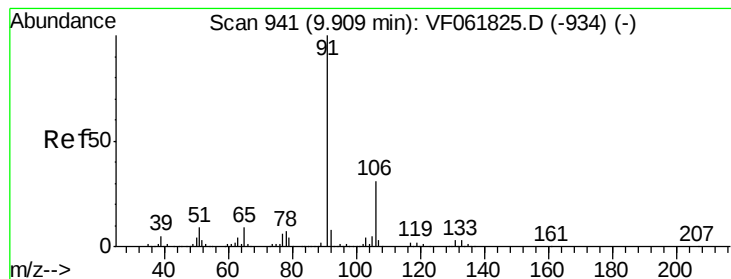
#64
Tetrachloroethene
Concen: 378.833 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061899.D
Acq: 11 Mar 2019 19:50

Tgt Ion:164 Resp: 719
Ion Ratio Lower Upper
164 100
166 119.5 103.4 155.0
129 66.4 69.9 104.9#
131 47.8 66.4 99.6#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#67

Ethyl Benzene

Concen: 29.115 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

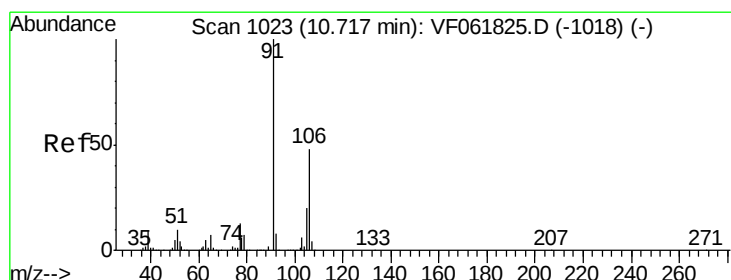
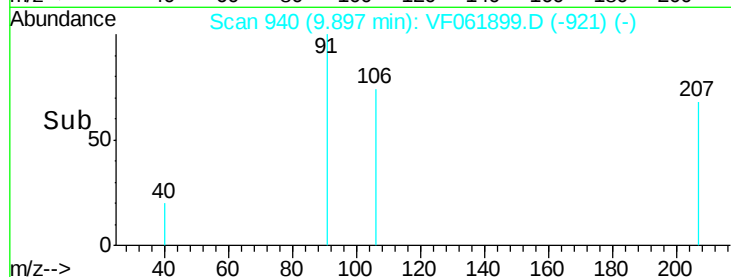
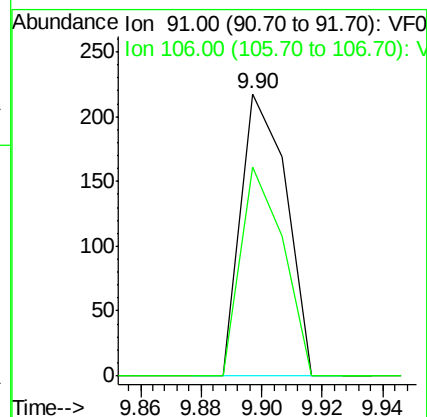
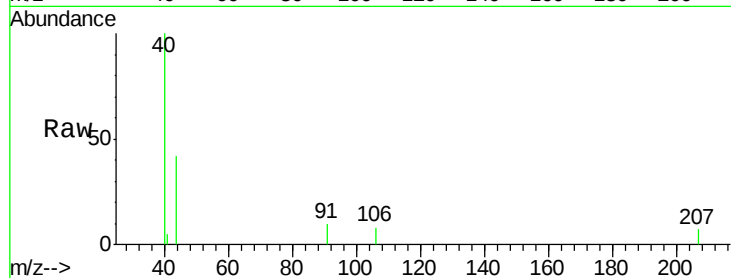
NB-07-030819

Tot Ion: 91 Resp: 229

Ion Ratio Lower Upper

91 100

106 73.9 25.0 37.4#



#69

o-Xylene

Concen: 48.081 ug/l

RT: 10.71 min Scan# 1022

Delta R.T. -0.01 min

Lab File: VF061899.D

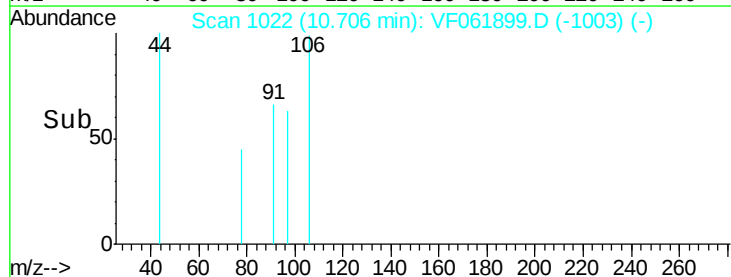
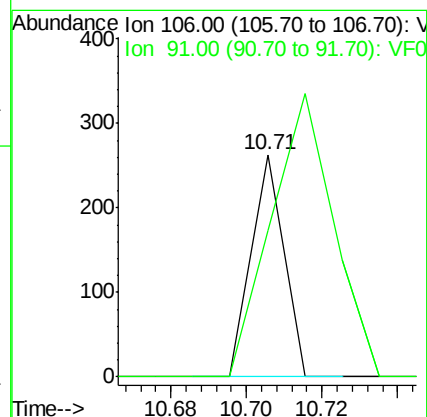
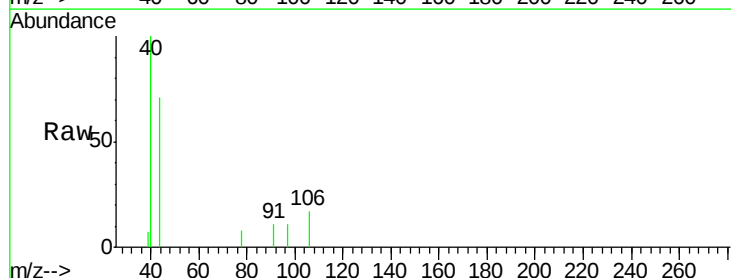
Acq: 11 Mar 2019 19:50

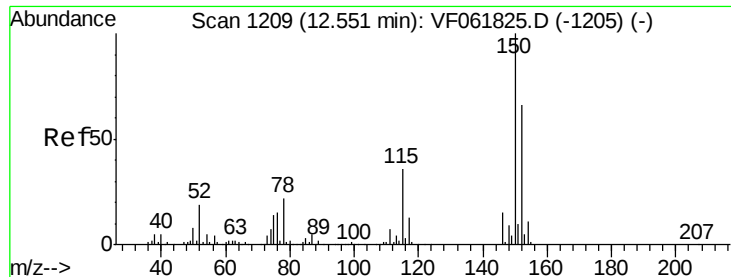
Tgt Ion: 106 Resp: 156

Ion Ratio Lower Upper

106 100

91 66.2 103.5 310.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

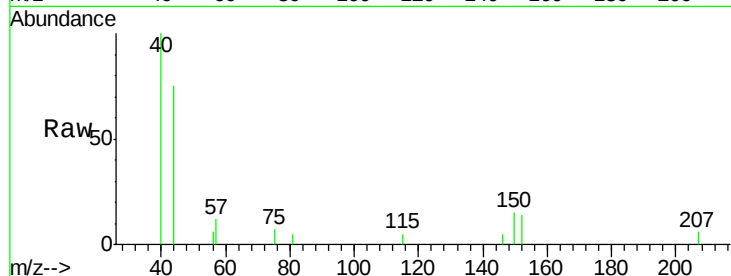
Tot Ion:152 Resp: 450

Ion Ratio Lower Upper

152 100

115 36.3 27.7 83.1

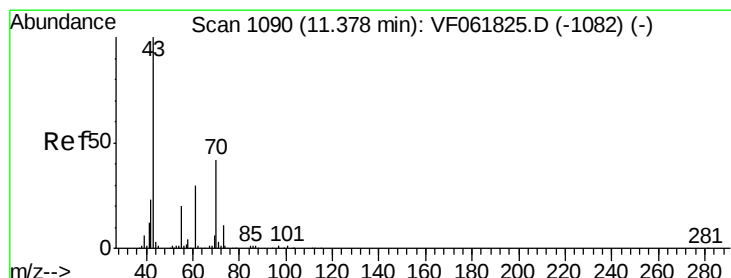
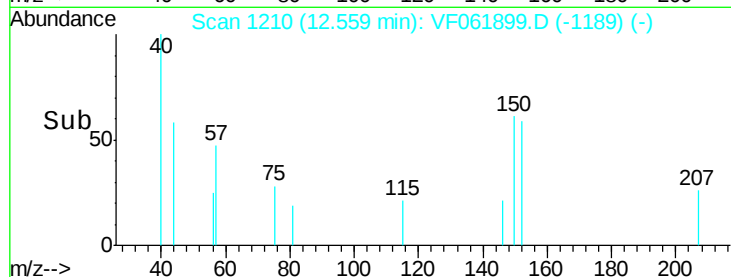
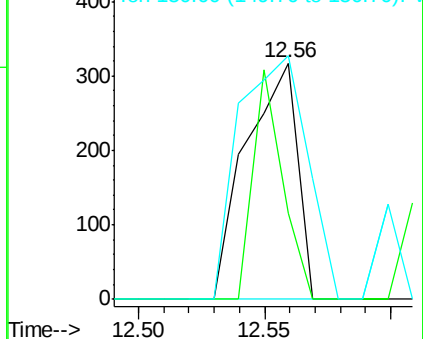
150 103.2 0.0 304.2



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



#74

N-ethyl acetate

Concen: 32.529 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Tgt Ion: 43 Resp: 232

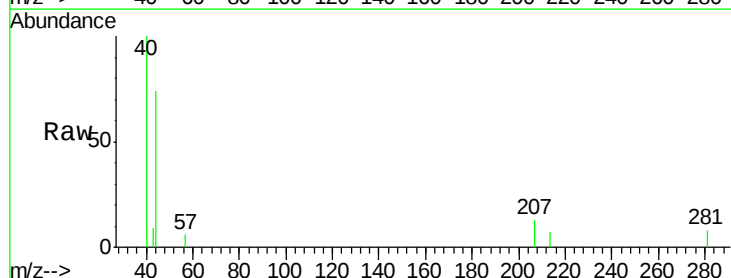
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 16.3 24.5#

61 0.0 24.0 36.0#

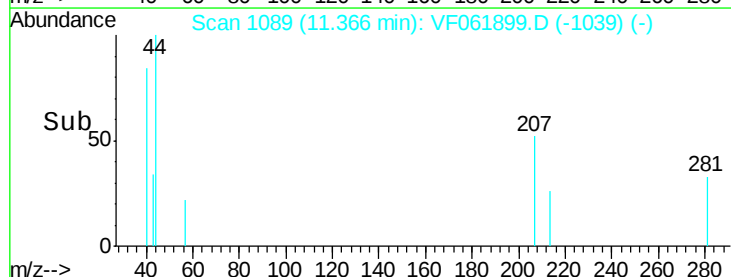
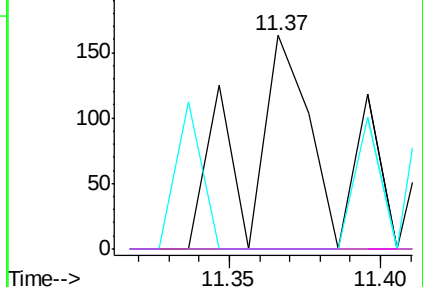


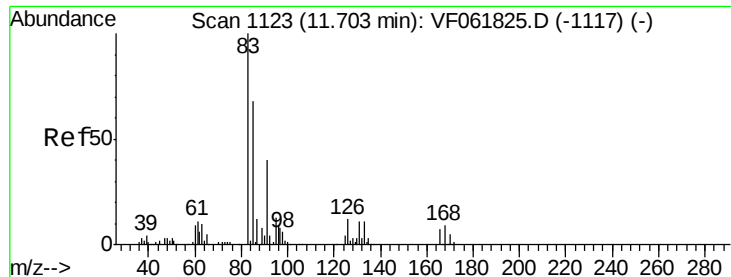
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 15.925 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. -0.08 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

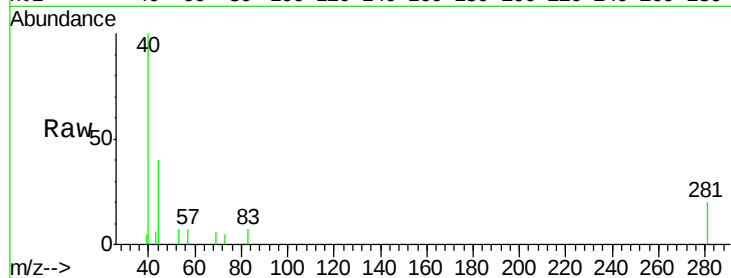
Tot Ion: 83 Resp: 82

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

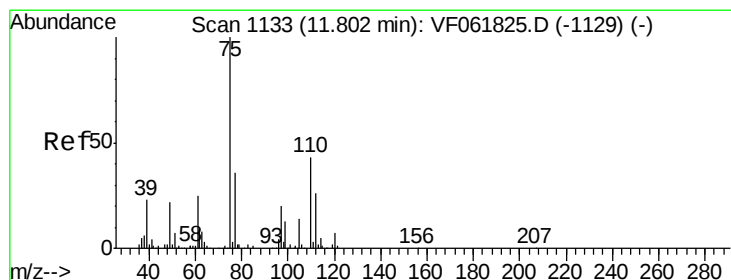
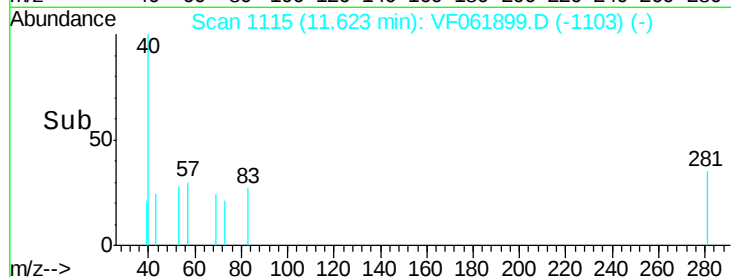
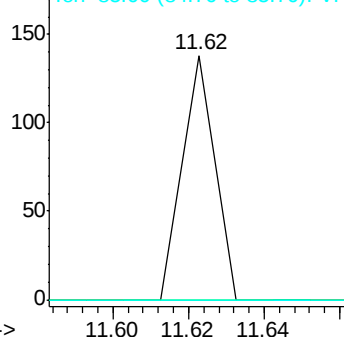
85 0.0 34.2 102.6#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.911 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.08 min

Lab File: VF061899.D

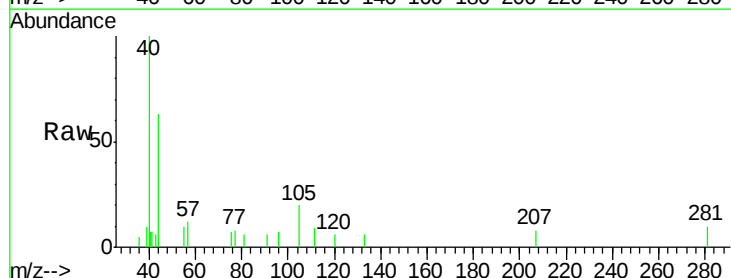
Acq: 11 Mar 2019 19:50

Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

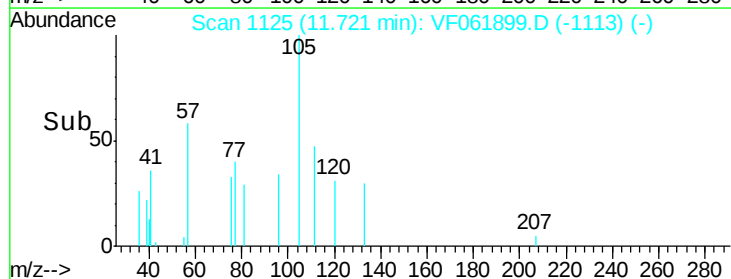
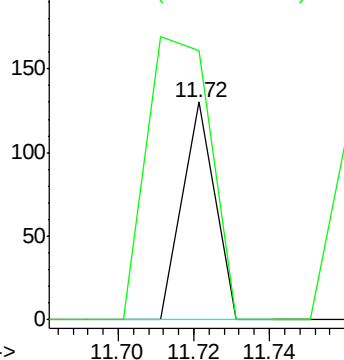
75 100

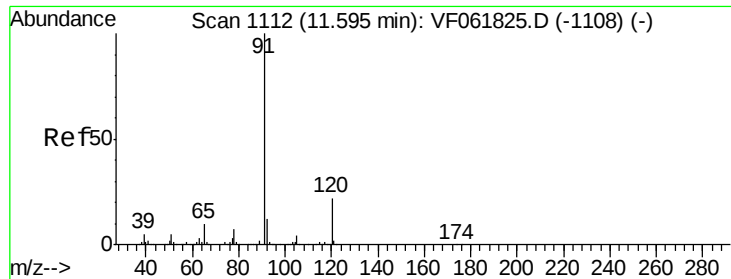
77 123.8 18.1 54.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 10.919 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

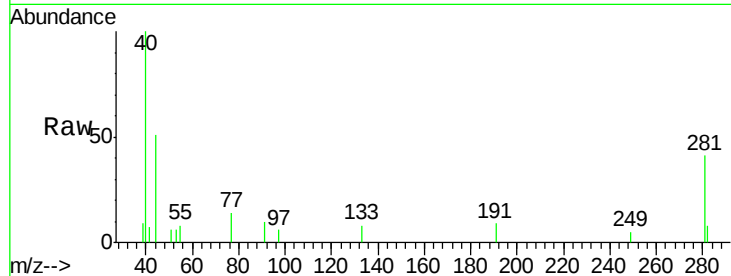
NB-07-030819

Tot Ion: 91 Resp: 382

Ion Ratio Lower Upper

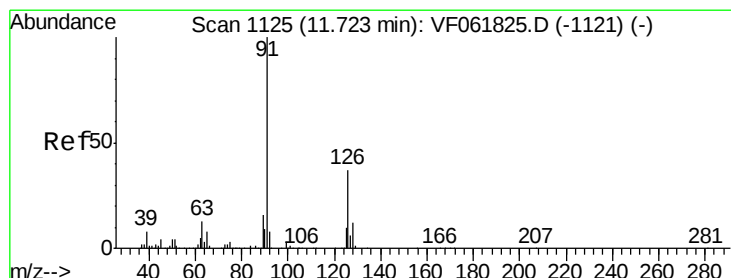
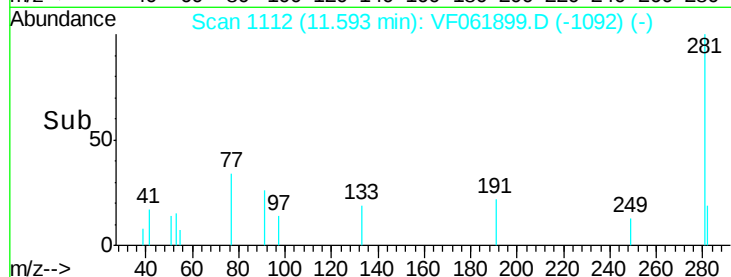
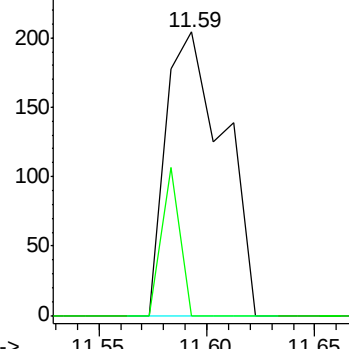
91 100

120 0.0 11.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.650 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061899.D

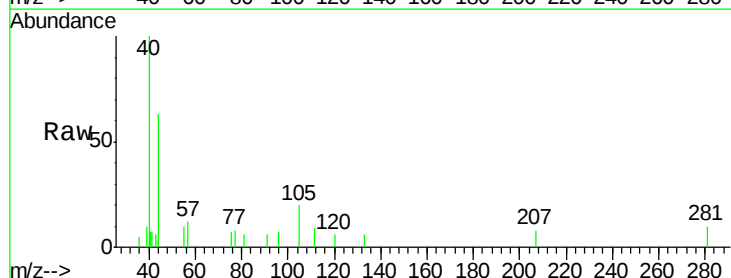
Acq: 11 Mar 2019 19:50

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

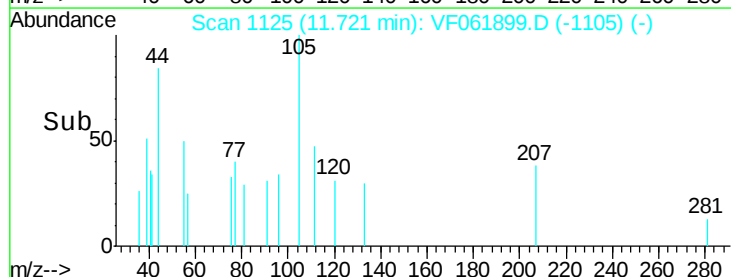
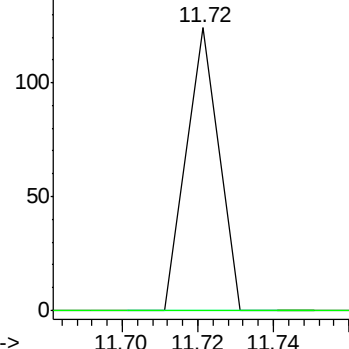
91 100

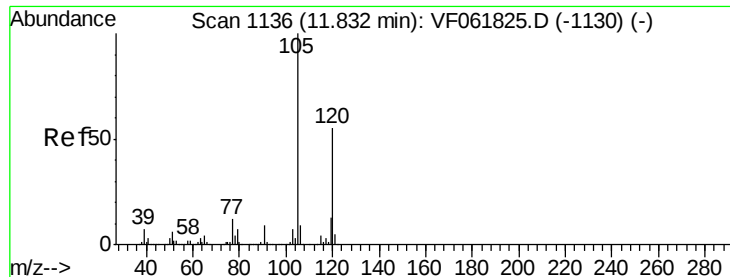
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 48.767 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

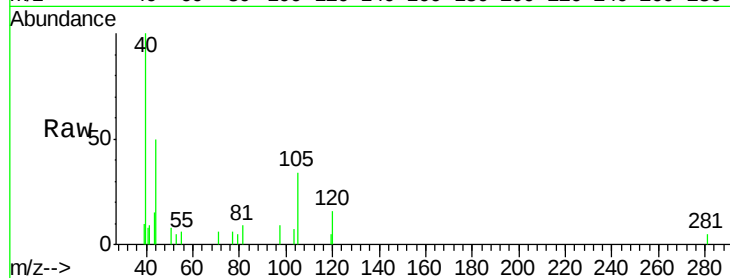
NB-07-030819

Tot Ion:105 Resp: 1213

Ion Ratio Lower Upper

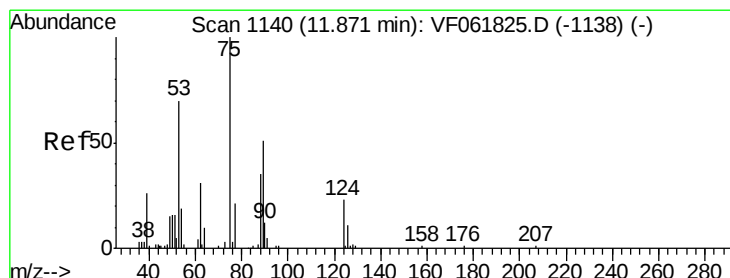
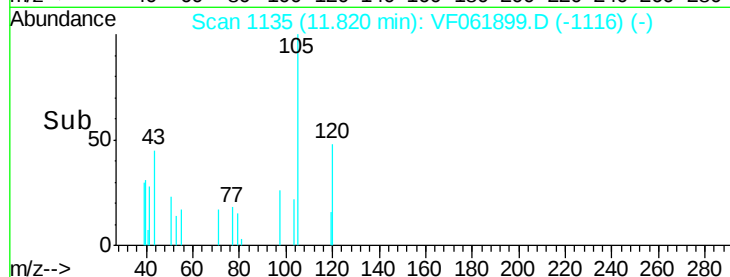
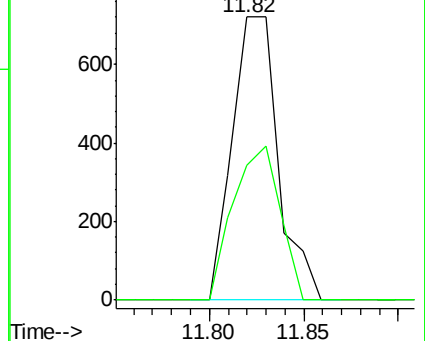
105 100

120 47.6 27.4 82.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 47.917 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.15 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

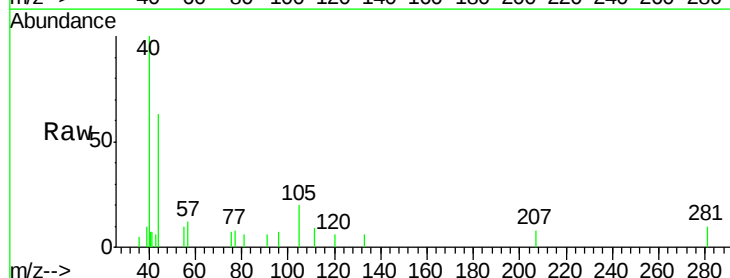
Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

53 0.0 58.6 88.0#

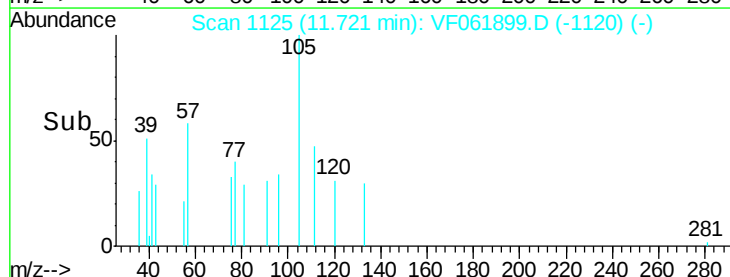
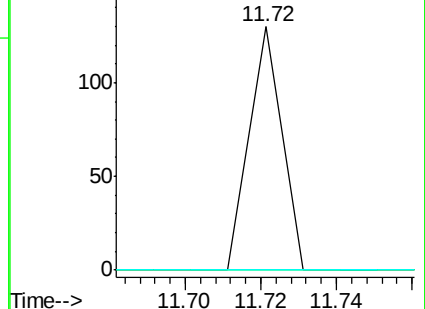
89 0.0 41.4 62.0#

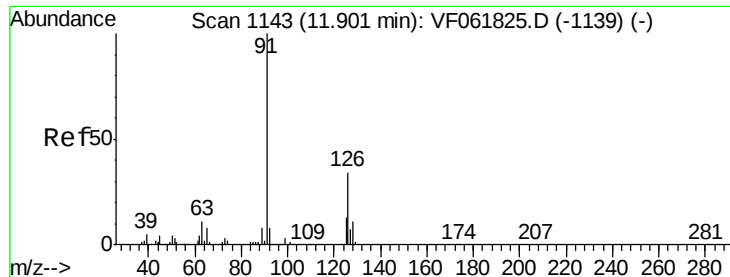


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 4.301 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.08 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

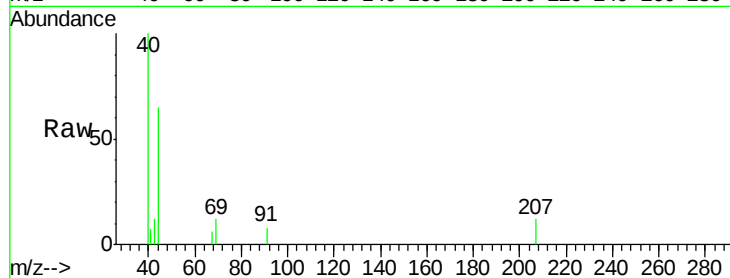
NB-07-030819

Tot Ion: 91 Resp: 88

Ion Ratio Lower Upper

91 100

126 0.0 17.0 50.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

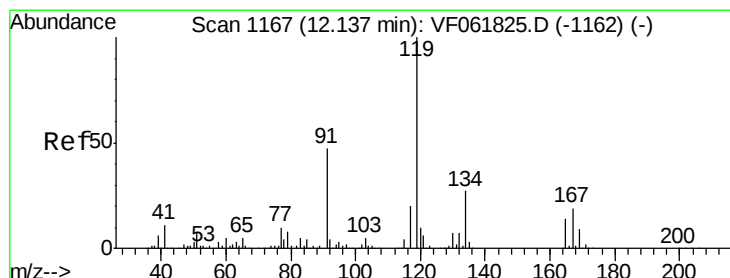
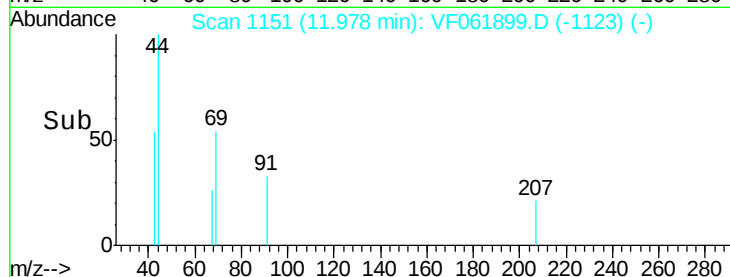
150

100

50

0

Time--> 11.94 11.96 11.98 12.00



#83

tert-Butylbenzene

Concen: 2.613 ug/l

RT: 12.18 min Scan# 1172

Delta R.T. 0.05 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

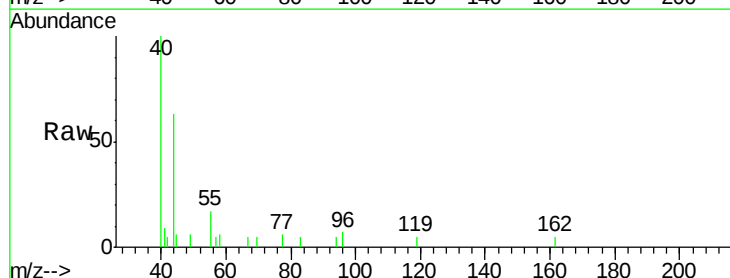
Tgt Ion: 119 Resp: 69

Ion Ratio Lower Upper

119 100

91 0.0 23.5 70.5#

134 0.0 13.3 39.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

200

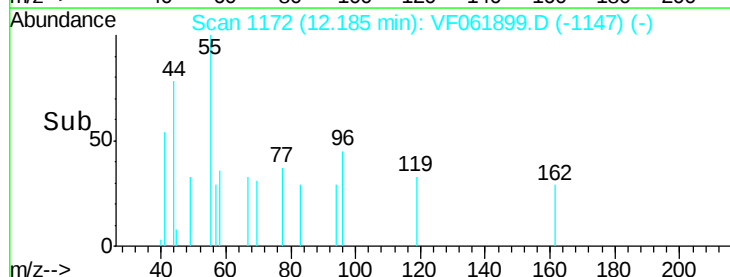
150

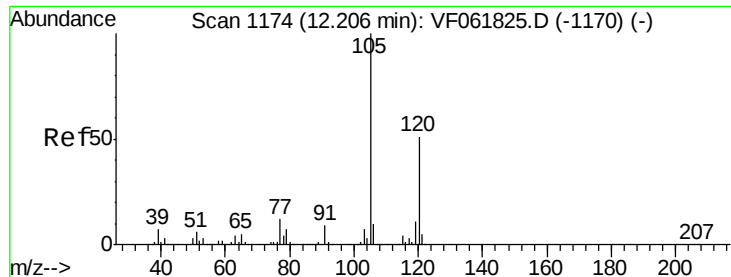
100

50

0

Time--> 12.16 12.18 12.20

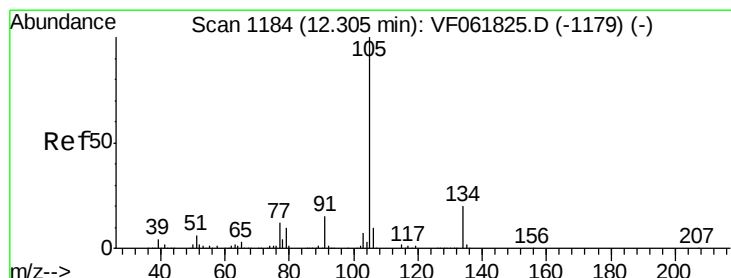
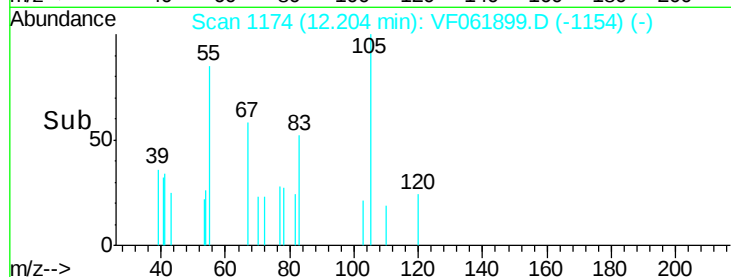
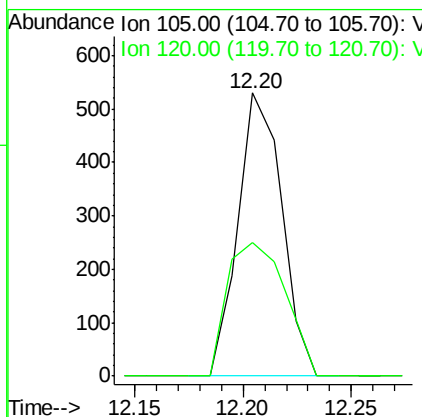
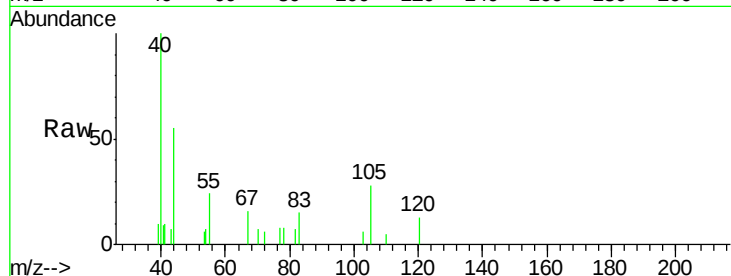




#84
 1,2,4-Trimethylbenzene
 Concen: 30.636 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

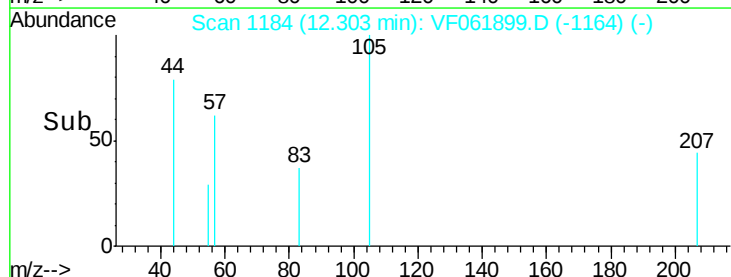
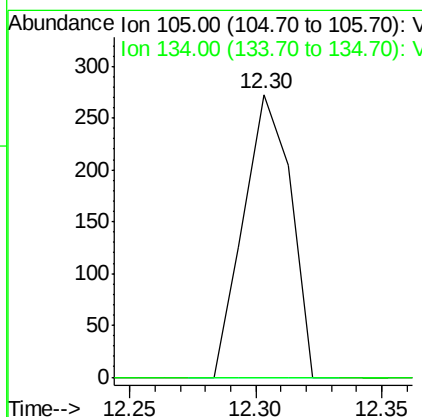
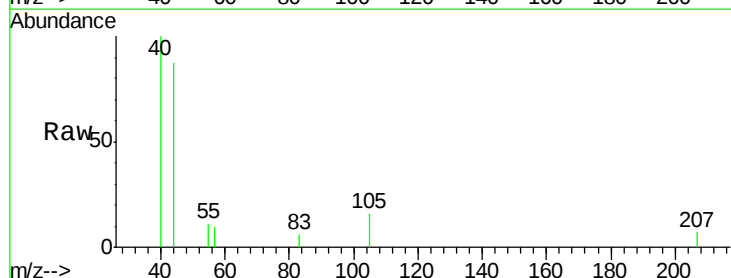
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

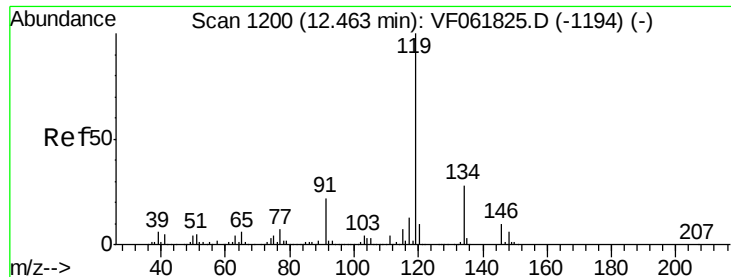
Tot Ion:105 Resp: 747
 Ion Ratio Lower Upper
 105 100
 120 47.4 25.8 77.4



#85
 sec-Butylbenzene
 Concen: 10.387 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Tgt Ion:105 Resp: 357
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#





#86

p-Isopropyltoluene

Concen: 15.745 ug/l

RT: 12.43 min Scan# 1197

Delta R.T. -0.03 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

NB-07-030819

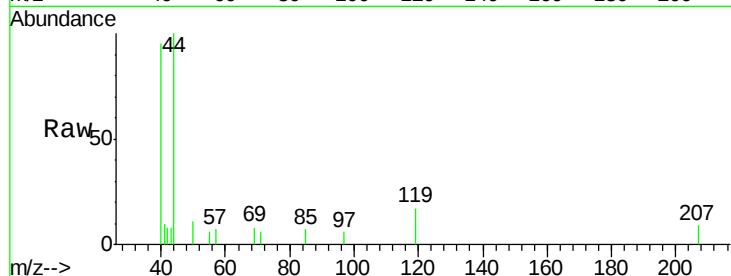
Tot Ion:119 Resp: 460

Ion Ratio Lower Upper

119 100

134 0.0 14.0 42.0#

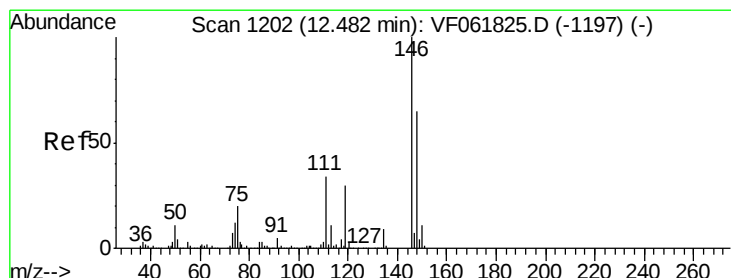
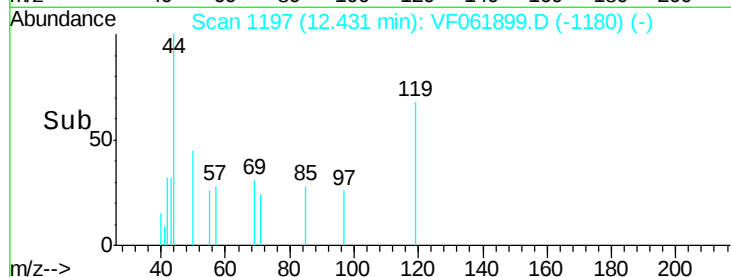
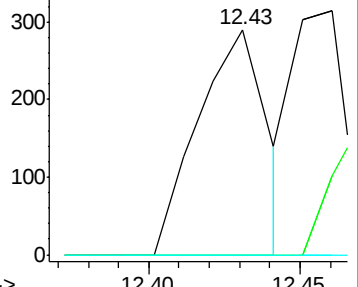
91 0.0 11.1 33.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 4.521 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

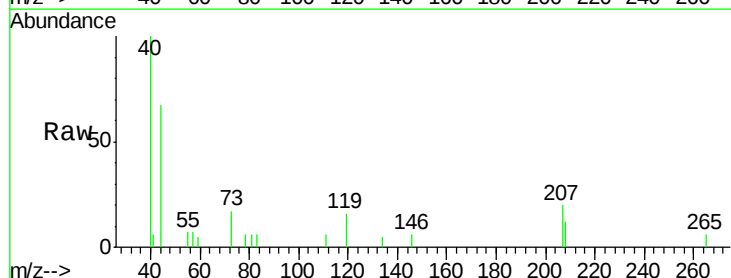
Tgt Ion:146 Resp: 64

Ion Ratio Lower Upper

146 100

111 116.5 17.0 51.0#

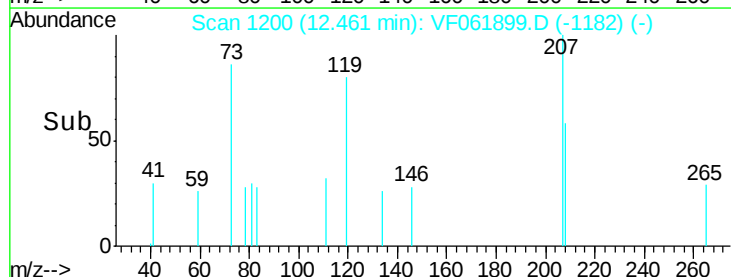
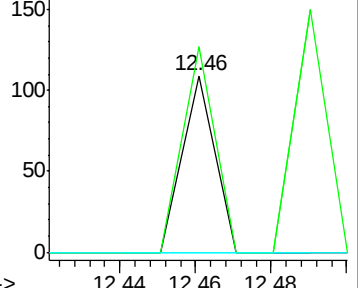
148 0.0 32.5 97.5#

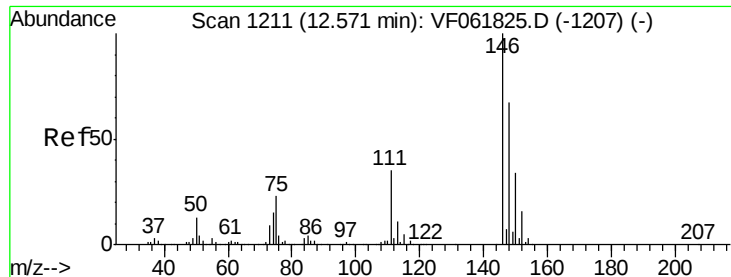


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

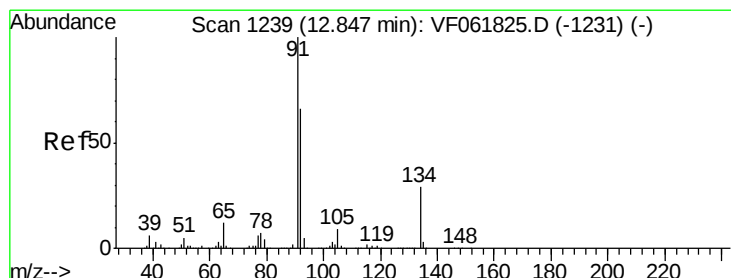
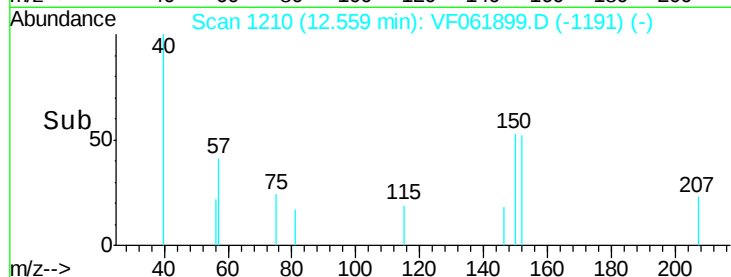
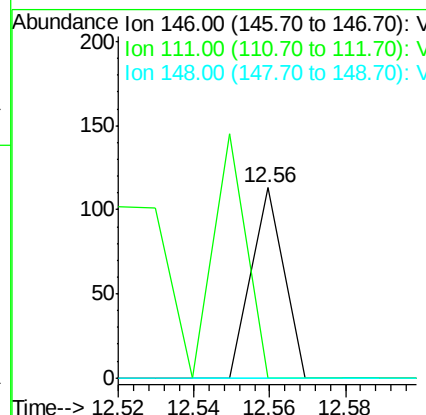
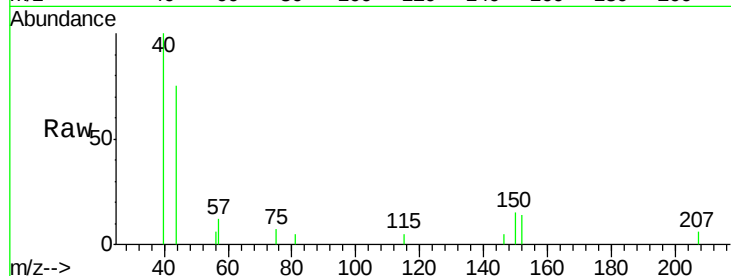




#88
 1,4-Dichlorobenzene
 Concen: 4.906 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

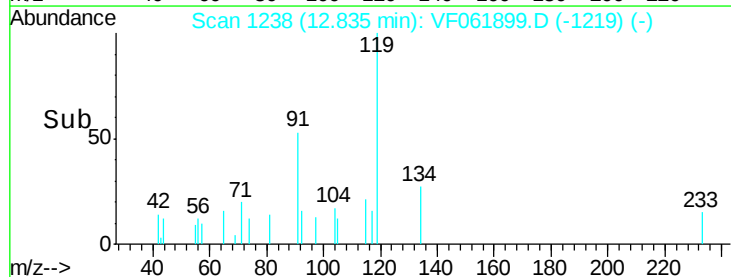
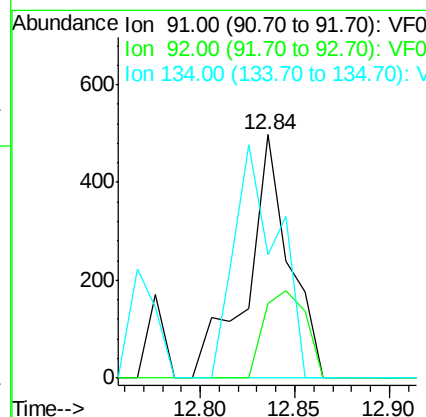
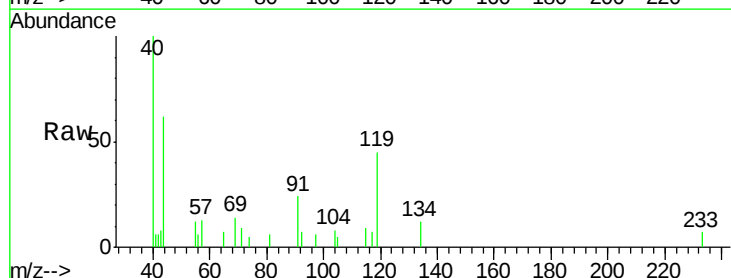
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

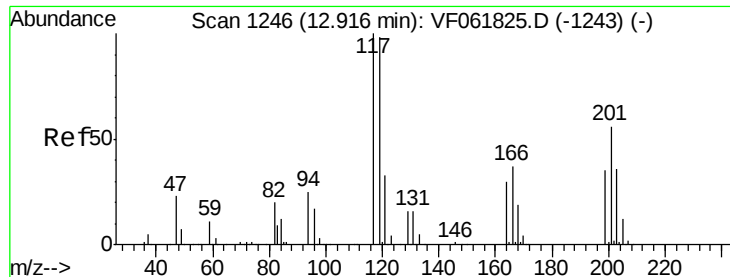
Tot Ion:146 Resp: 67
 Ion Ratio Lower Upper
 146 100
 111 0.0 17.6 52.9#
 148 0.0 33.5 100.4#



#89
 n-Butylbenzene
 Concen: 27.507 ug/l
 RT: 12.84 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Tgt Ion: 91 Resp: 768
 Ion Ratio Lower Upper
 91 100
 92 30.5 32.9 98.6#
 134 50.8 14.5 43.6#





#90

Hexachloroethane

Concen: 12.656 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.08 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

Instrument :

MSVOA_F

ClientSampleId :

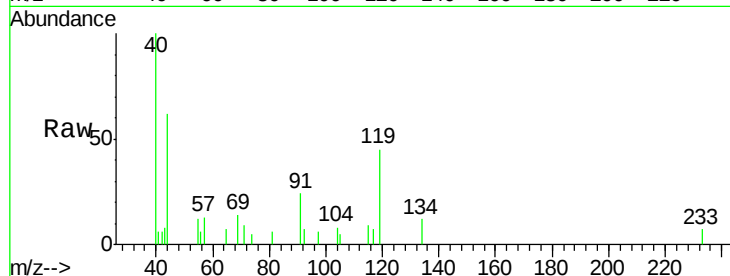
NB-07-030819

Tot Ion:117 Resp: 89

Ion Ratio Lower Upper

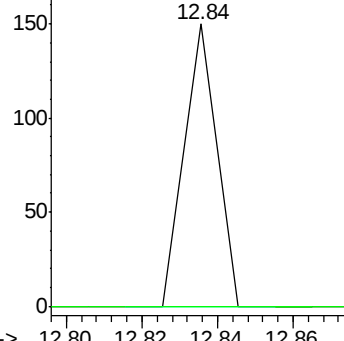
117 100

201 0.0 27.8 83.4#

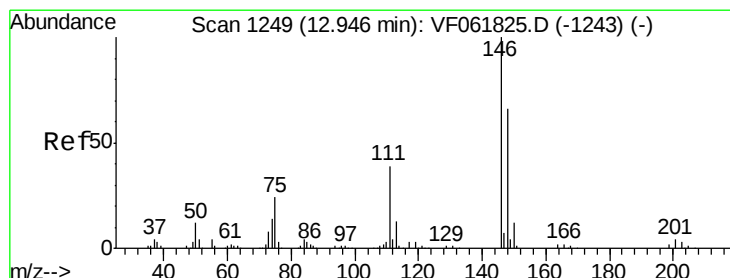
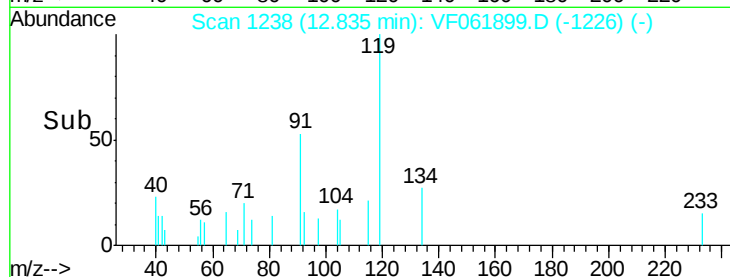


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



Time--> 12.80 12.82 12.84 12.86



#91

1,2-Dichlorobenzene

Concen: 6.412 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061899.D

Acq: 11 Mar 2019 19:50

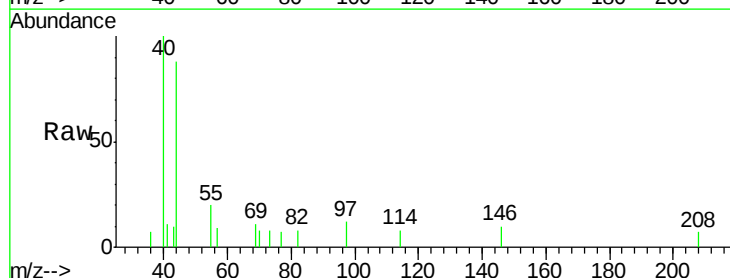
Tgt Ion:146 Resp: 86

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.4#

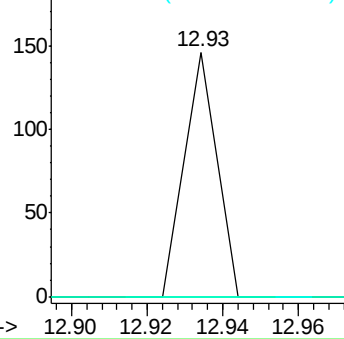
148 0.0 33.0 98.9#



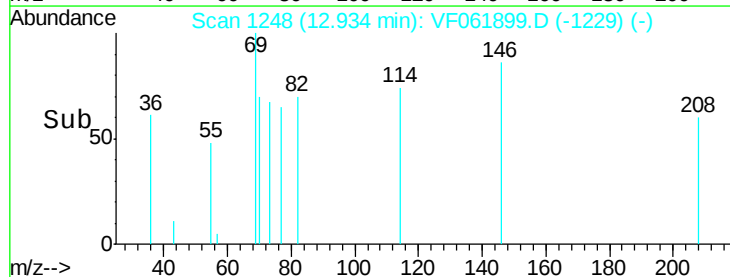
Abundance Ion 146.00 (145.70 to 146.70): V

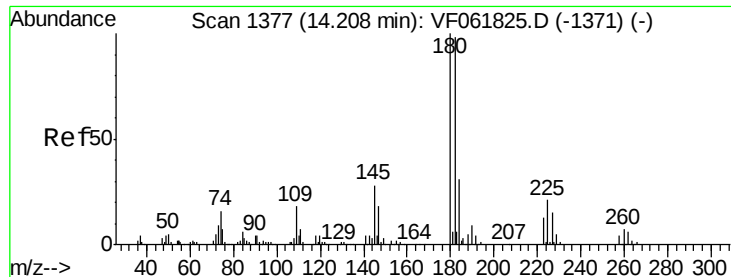
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.90 12.92 12.94 12.96

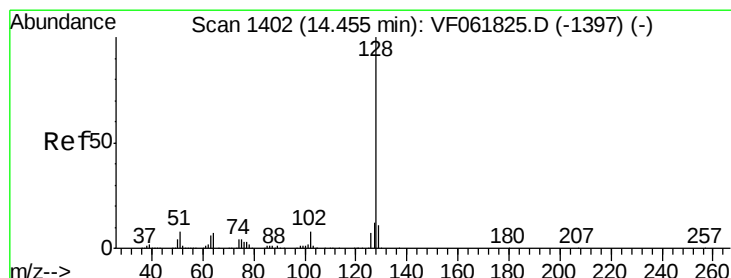
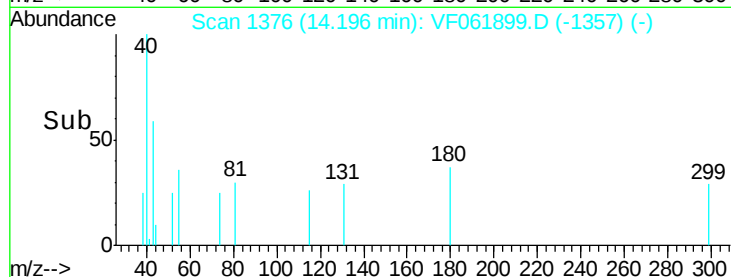
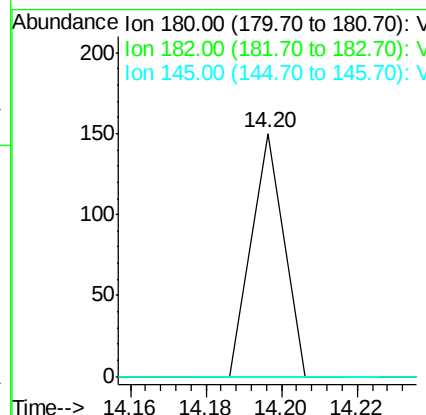
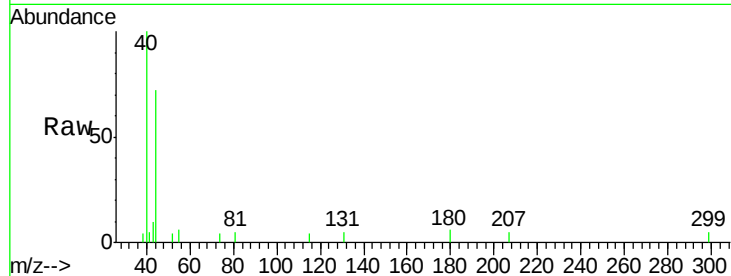




#93
 1,2,4-Trichlorobenzene
 Concen: 9.465 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

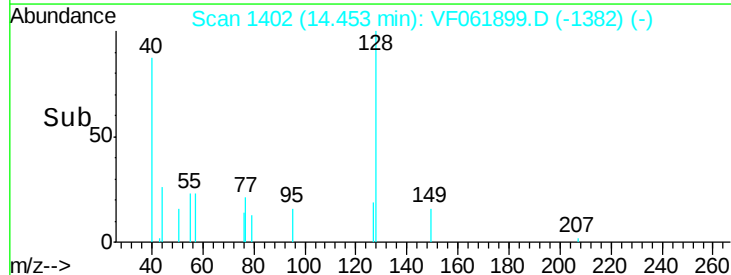
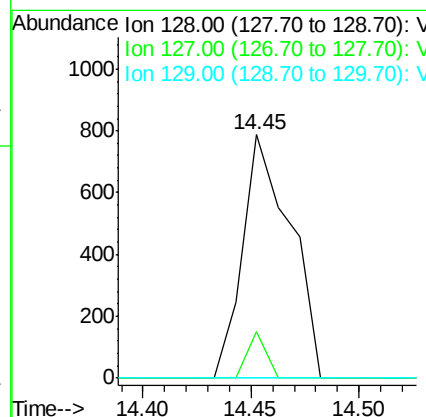
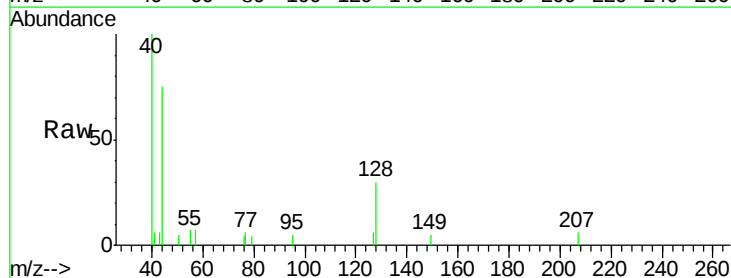
Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

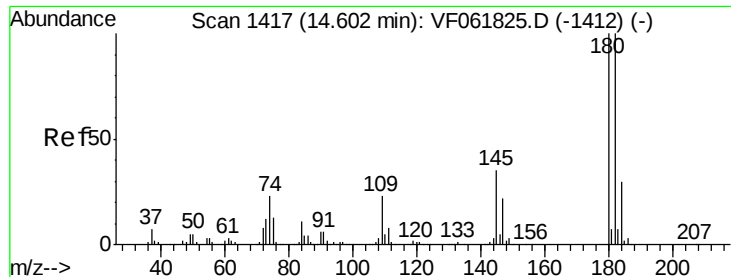
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.0	147.2#
145	0.0	14.1	42.4#



#95
 Naphthalene
 Concen: 72.006 ug/l
 RT: 14.45 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.3	9.3	13.9#
129	0.0	8.8	13.2#

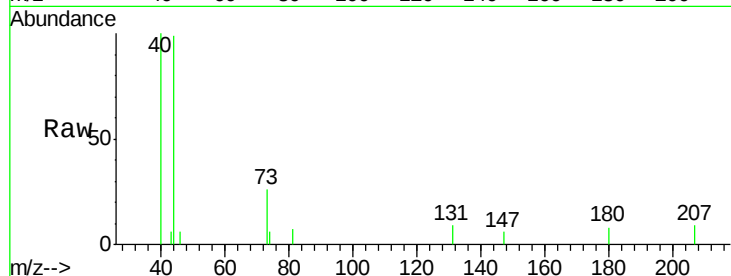




#96
 1,2,3-Trichlorobenzene
 Concen: 10.135 ug/l
 RT: 14.60 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VF061899.D
 Acq: 11 Mar 2019 19:50

Instrument :
 MSVOA_F
 ClientSampleId :
 NB-07-030819

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	50.2	150.7#
145	0.0	17.5	52.5#



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

