

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
 Data File : VN055440.D
 Acq On : 7 May 2019 16:19
 Operator : JC/SP
 Sample : K2678-02
 Misc : 3.85g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FK-0D015-03-003

Quant Time: May 07 16:52:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	656502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	274626	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	210757	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.09	98	778680	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	245440	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	564	1.737	ug/l #	73
14) Allyl chloride	4.32	41	2252	0.254	ug/l #	37
16) Acetone	3.84	43	1258	0.712	ug/l	99
17) Carbon Disulfide	4.05	76	2881	0.258	ug/l #	74
18) Methyl Acetate	4.33	43	136037	31.207	ug/l	98
20) Methylene Chloride	4.55	84	2986	0.554	ug/l #	61
25) 2-Butanone	6.85	43	1060	0.469	ug/l #	83
31) Cyclohexane	7.66	56	10005	1.121	ug/l #	2
36) 1,1-Dichloropropene	7.66	75	33263	5.290	ug/l #	50
38) Carbon Tetrachloride	7.66	117	41629	6.863	ug/l #	15
41) Methacrylonitrile	7.21	41	399	0.891	ug/l #	43
43) Isopropyl Acetate	8.22	43	6791	0.877	ug/l #	56
51) 4-Methyl-2-Pentanone	10.00	43	1656	0.380	ug/l #	82
52) Toluene	10.16	92	4505	0.424	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	64	12.445	ug/l #	52
59) 2-Hexanone	10.76	43	2031	0.744	ug/l	95
68) m/p-Xylenes	11.62	106	2102	0.308	ug/l	93
71) Bromoform	12.40	173	1933	0.839	ug/l #	1
73) Isopropylbenzene	12.25	105	1574	Below Cal		81
74) N-amyl acetate	12.04	43	1233	0.243	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.51	83	334	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	127830	34.038	ug/l #	100
77) Bromobenzene	12.53	156	174	Below Cal	#	1
79) 2-Chlorotoluene	12.68	91	1082	Below Cal		83
81) trans-1,4-Dichloro-2-buten	12.40	75	127830	122.729	ug/l #	7
83) tert-Butylbenzene	12.99	119	1053	Below Cal	#	81
84) 1,2,4-Trimethylbenzene	13.04	105	3129	0.226	ug/l	71
89) n-Butylbenzene	13.62	91	4054	0.413	ug/l	98
90) Hexachloroethane	13.99	117	61	Below Cal	#	7
93) 1,2,4-Trichlorobenzene	14.91	180	2017	4.040	ug/l	78
94) Hexachlorobutadiene	15.01	225	805	Below Cal		90
95) Naphthalene	15.13	128	4604	4.112	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1744	3.263	ug/l	99

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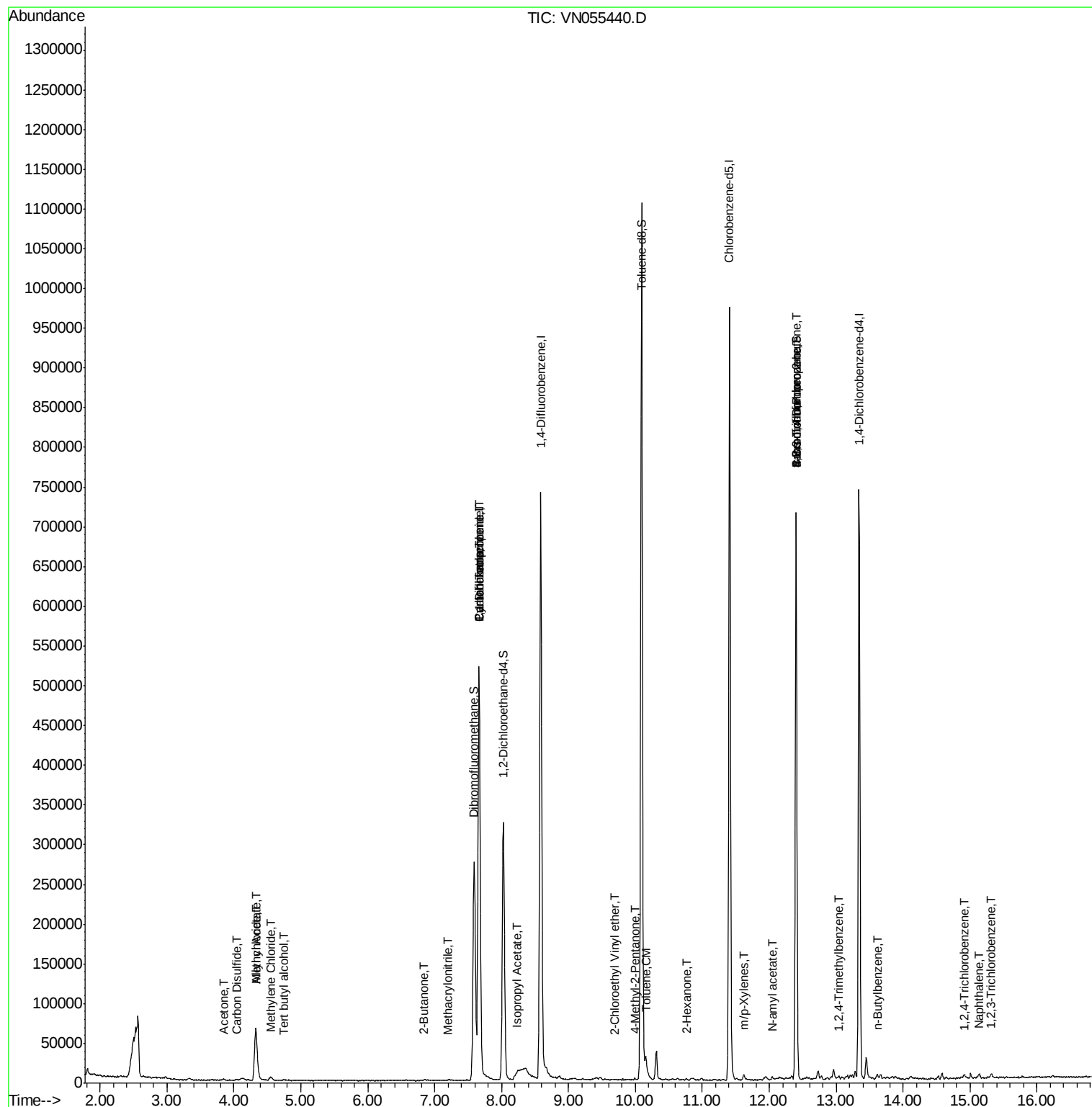
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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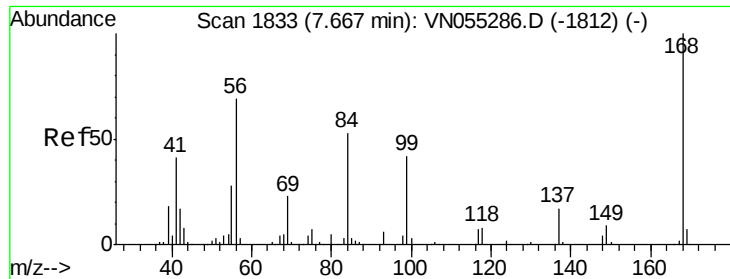
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

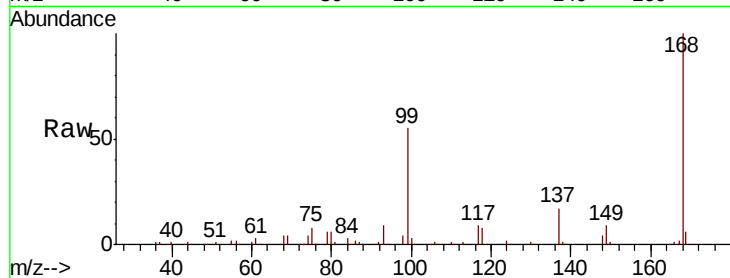
FK-0D015-03-003

Tgt Ion:168 Resp: 433589

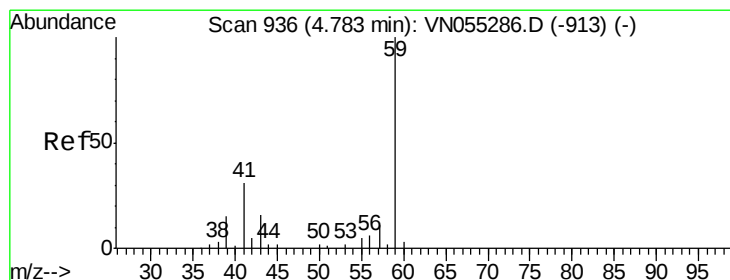
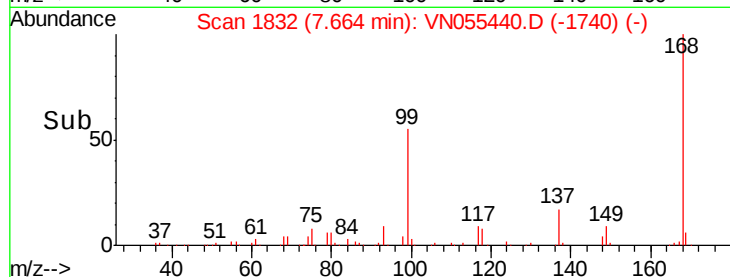
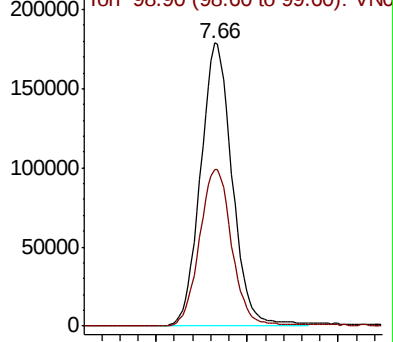
Ion Ratio Lower Upper

168 100

99 55.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055440.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 1.737 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.05 min

Lab File: VN055440.D

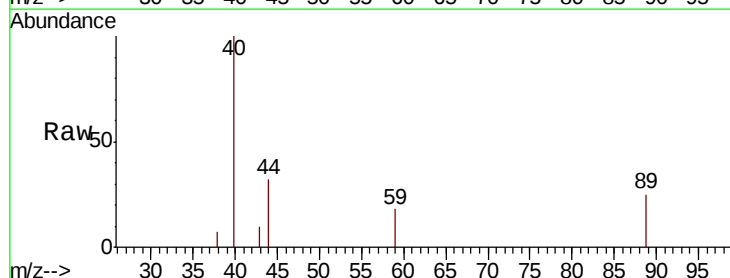
Acq: 7 May 2019 16:19

Tgt Ion: 59 Resp: 564

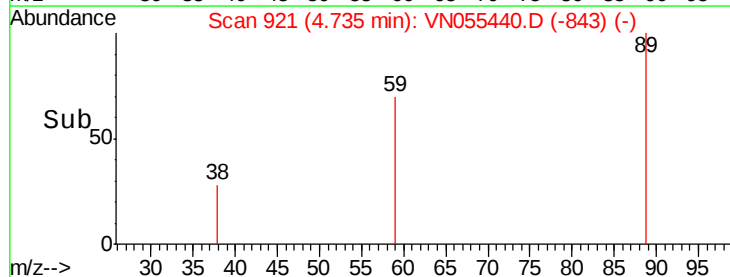
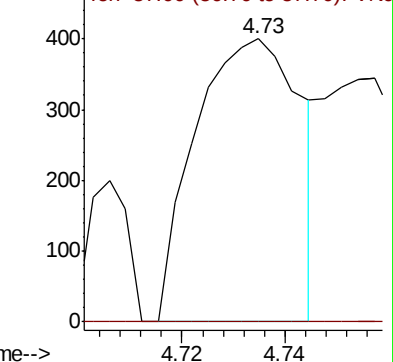
Ion Ratio Lower Upper

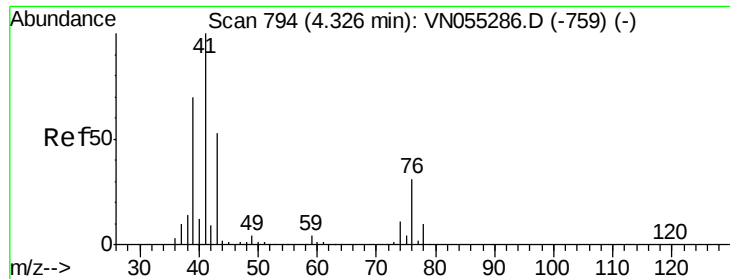
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055440.D (-843) (-)





#14

Allyl chloride

Concen: 0.254 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

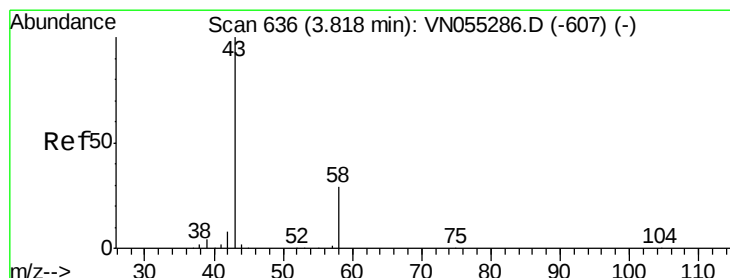
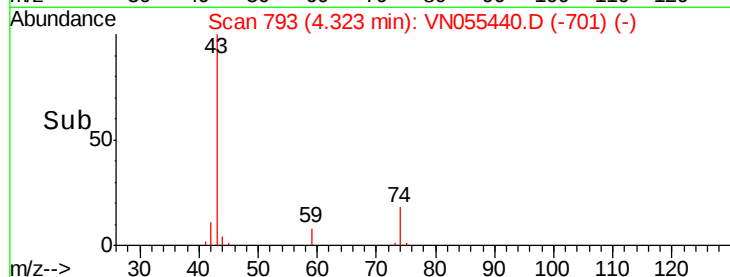
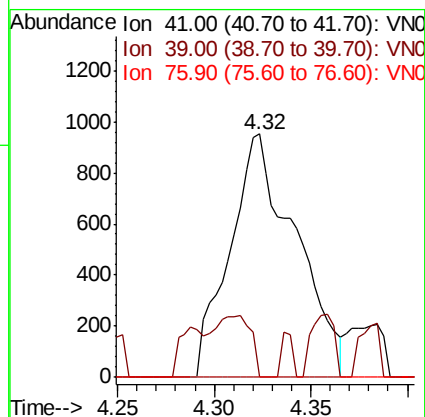
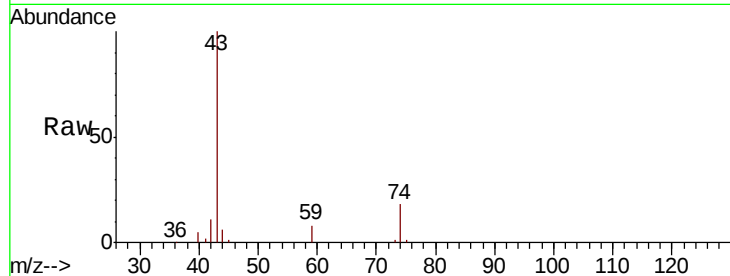
Tgt Ion: 41 Resp: 2252

Ion Ratio Lower Upper

41 100

39 13.0 53.0 79.6#

76 0.0 22.7 34.1#



#16

Acetone

Concen: 0.712 ug/l

RT: 3.84 min Scan# 643

Delta R.T. 0.02 min

Lab File: VN055440.D

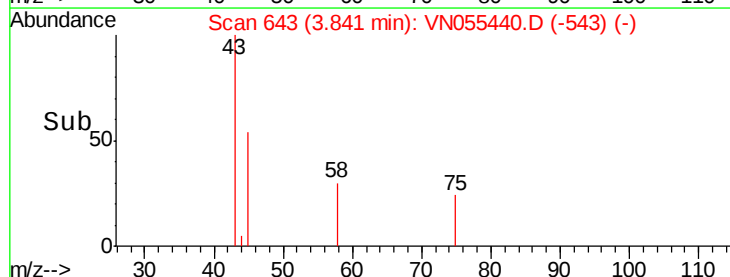
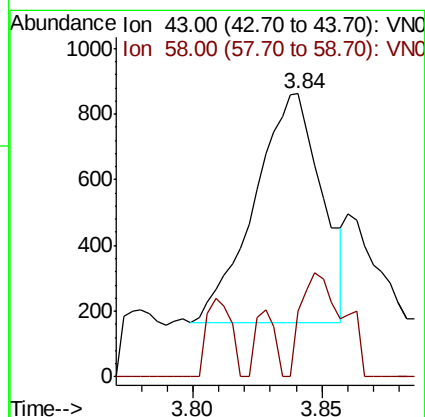
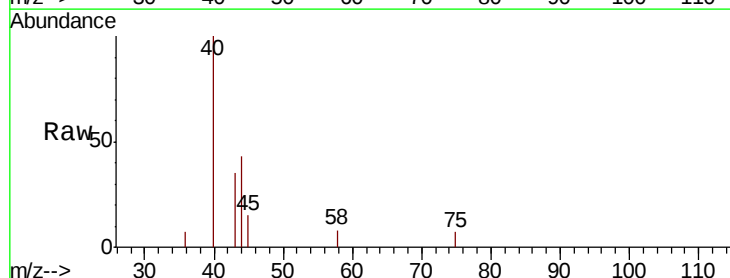
Acq: 7 May 2019 16:19

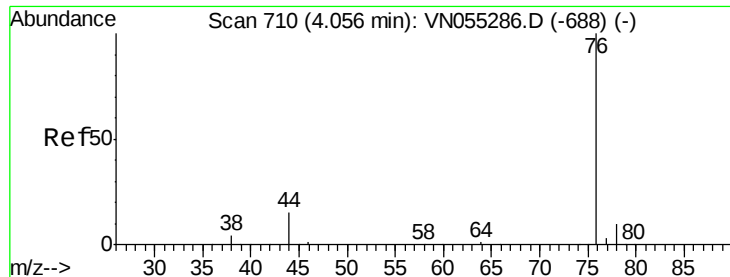
Tgt Ion: 43 Resp: 1258

Ion Ratio Lower Upper

43 100

58 29.1 23.6 35.4

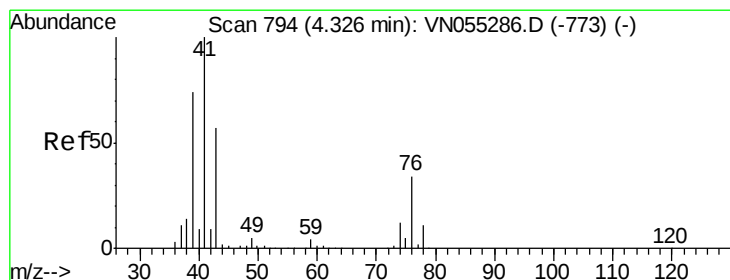
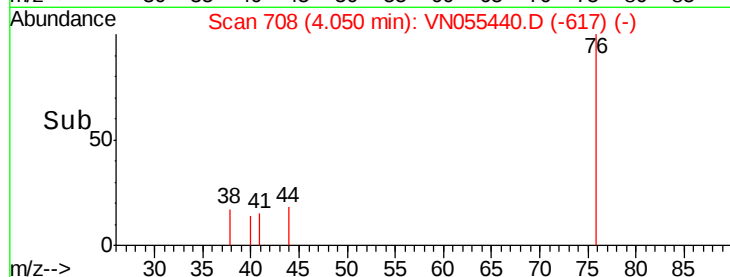
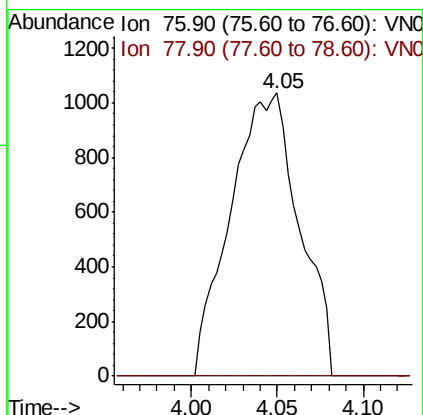
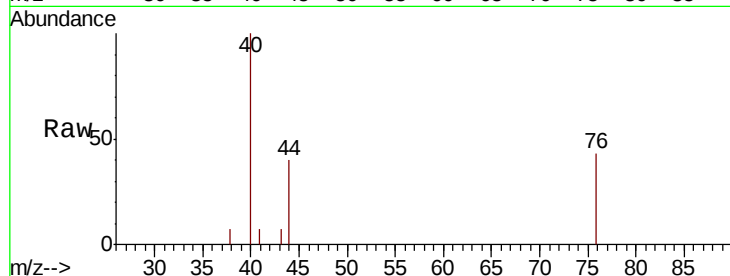




#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

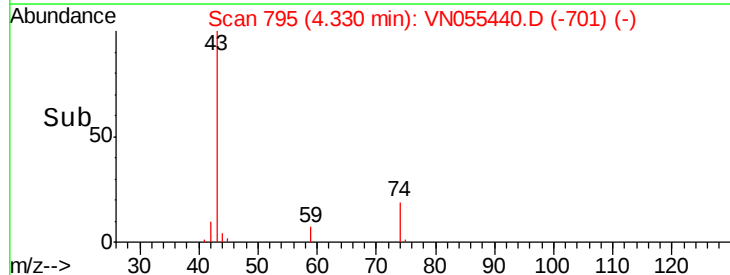
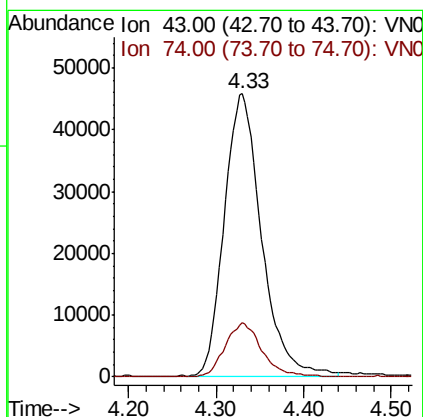
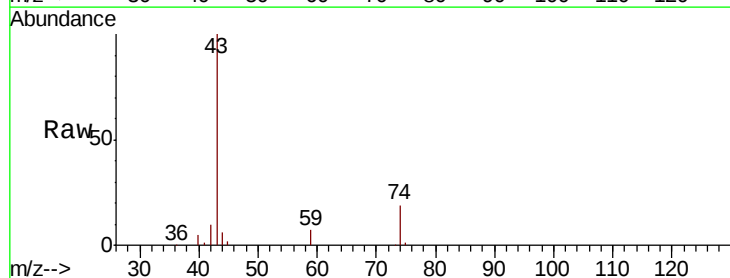
Instrument :
MSVOA_N
ClientSampleId :
FK-0D015-03-003

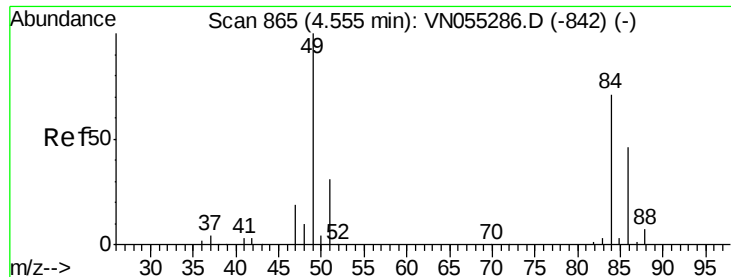
Tgt Ion: 76 Resp: 2881
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 31.207 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Tgt Ion: 43 Resp: 136037
Ion Ratio Lower Upper
43 100
74 18.9 15.8 23.8





#20

Methylene Chloride

Concen: 0.554 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

Tgt Ion: 84 Resp: 2986

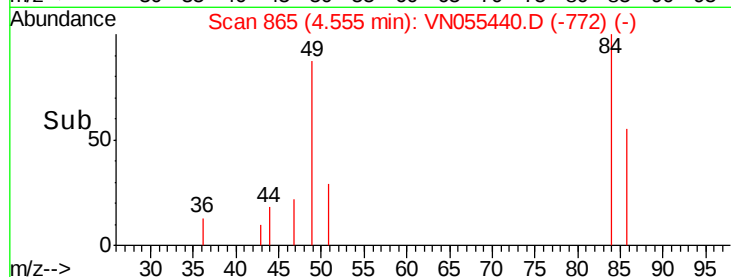
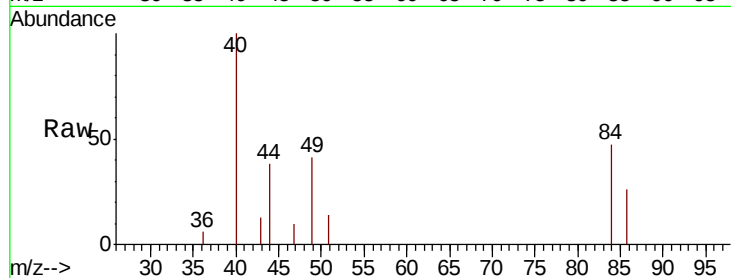
Ion Ratio Lower Upper

84 100

49 70.8 112.4 168.6#

51 29.2 34.6 51.8#

86 55.2 51.9 77.9

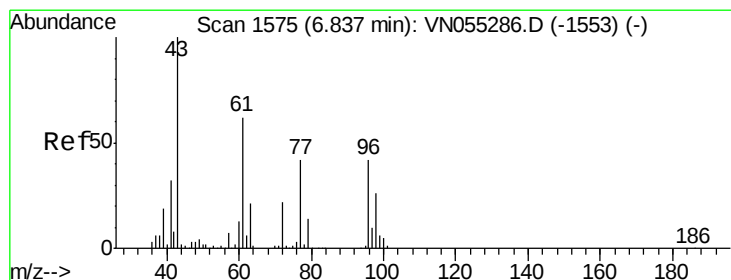
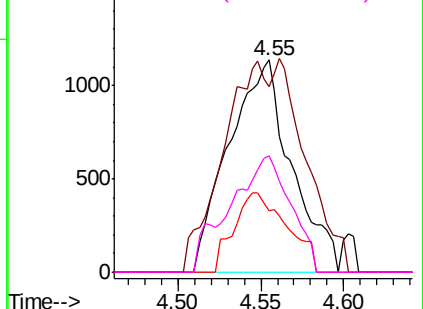


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.469 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN055440.D

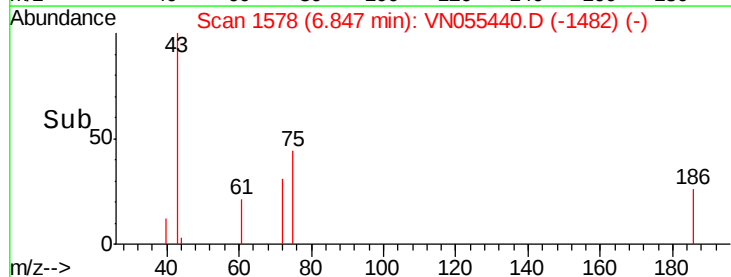
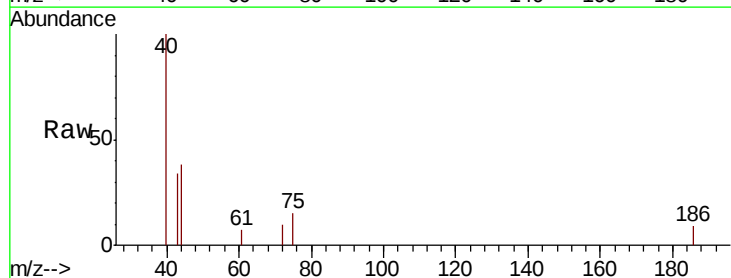
Acq: 7 May 2019 16:19

Tgt Ion: 43 Resp: 1060

Ion Ratio Lower Upper

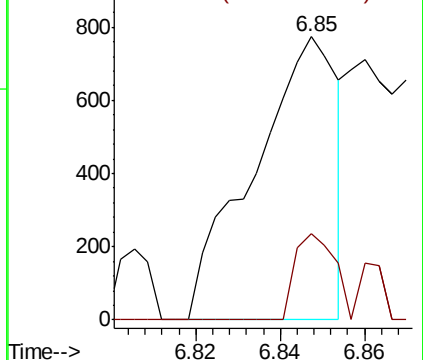
43 100

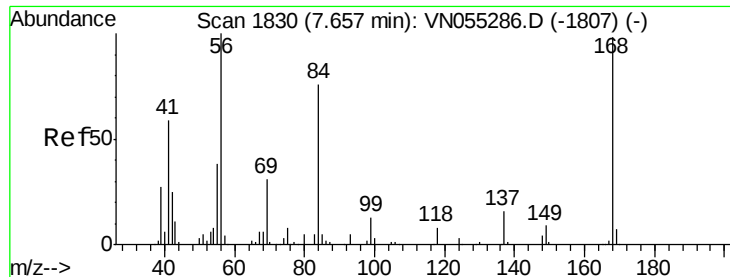
72 30.5 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

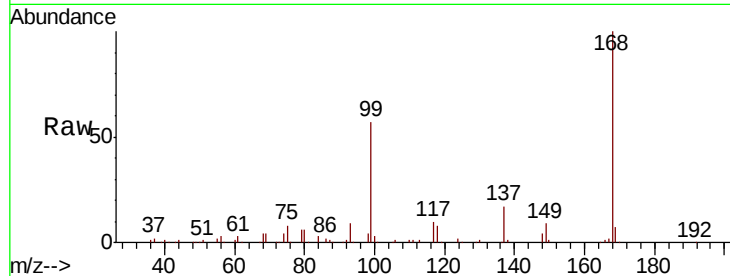




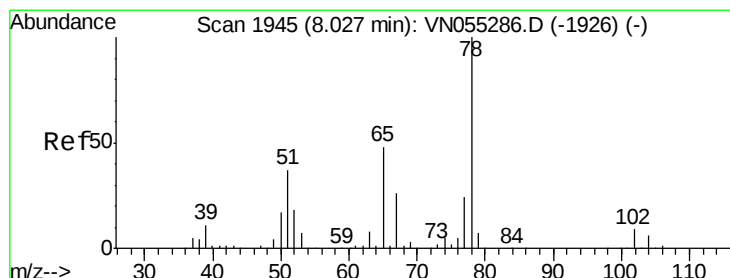
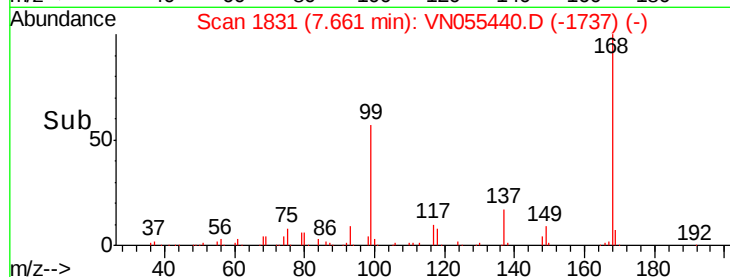
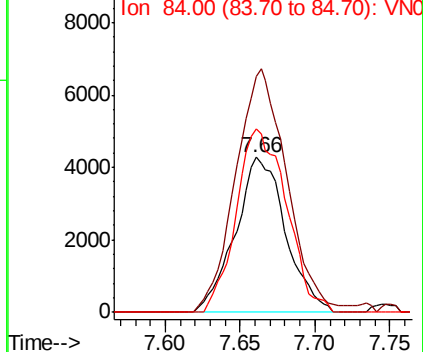
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Instrument :
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FK-0D015-03-003

Tgt Ion: 56 Resp: 10005
Ion Ratio Lower Upper
56 100
69 151.7 25.2 37.8#
84 118.7 61.1 91.7#

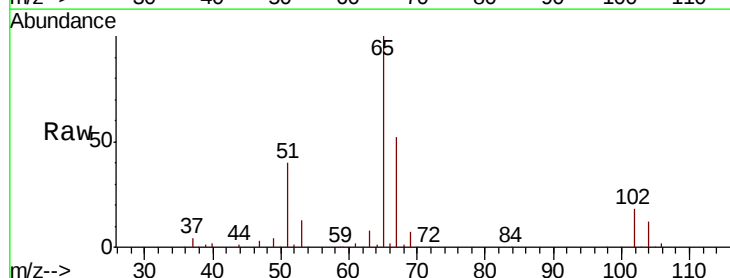


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

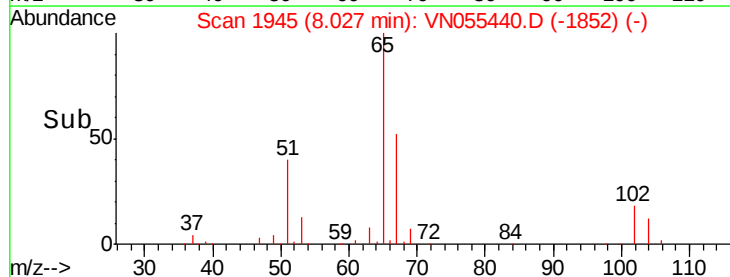
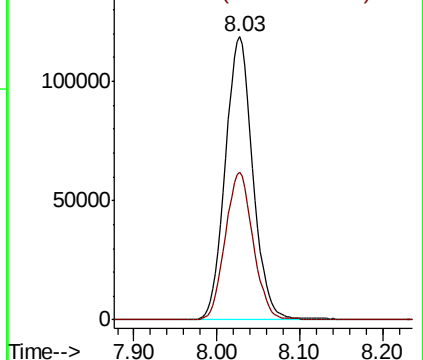


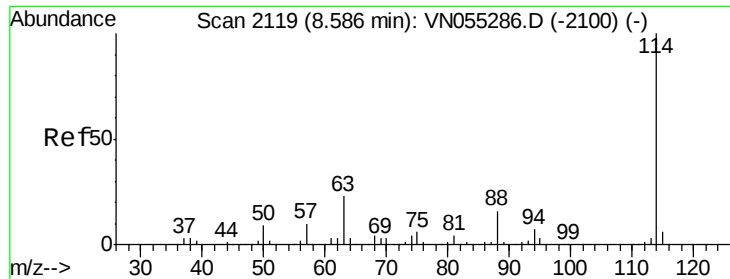
#33
1,2-Dichloroethane-d4
Concen: 48.415 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Tgt Ion: 65 Resp: 274626
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

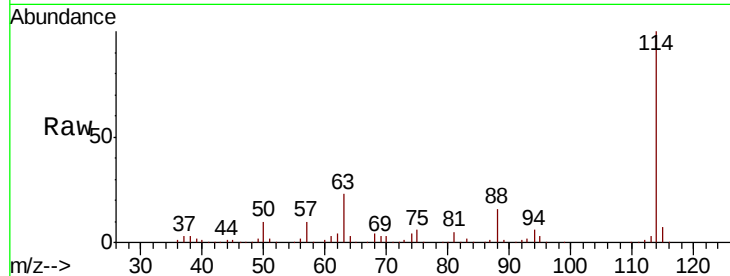




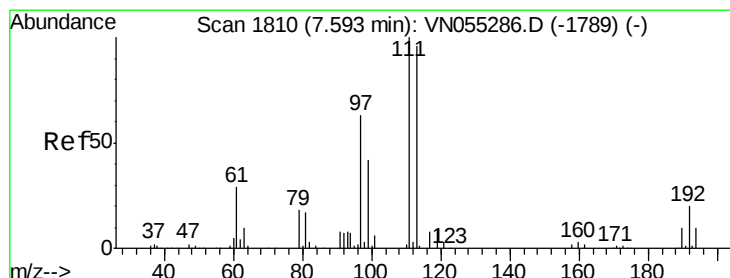
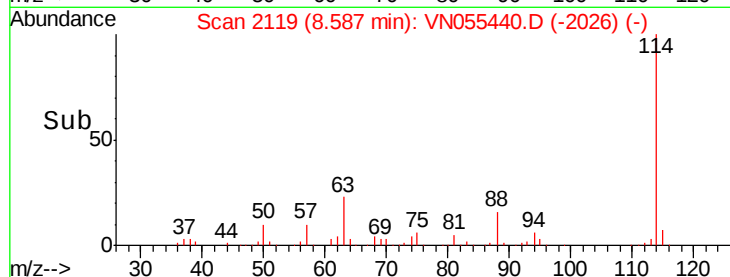
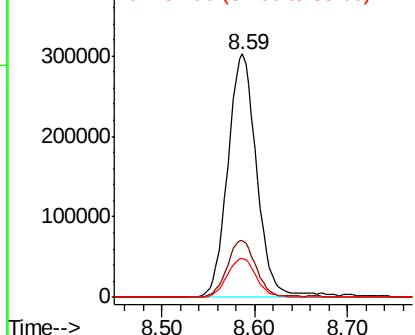
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055440.D
 Acq: 7 May 2019 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 FK-0D015-03-003

Tgt Ion:114 Resp: 656502
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.2
 88 16.1 0.0 31.6

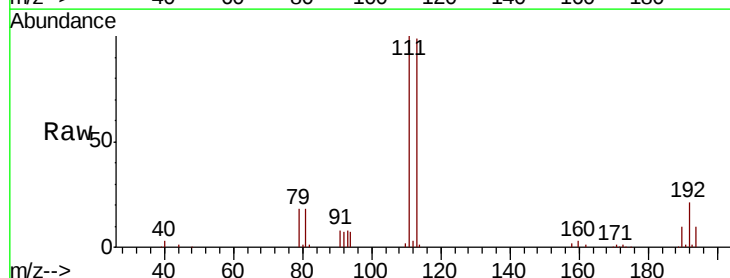


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

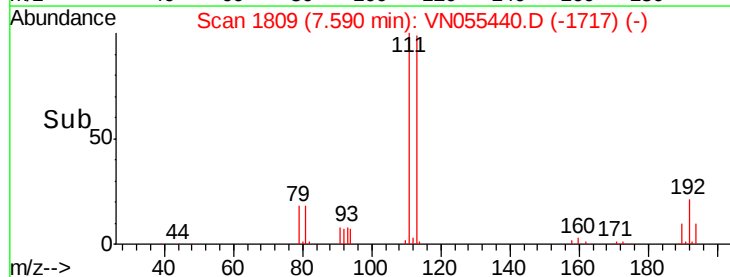
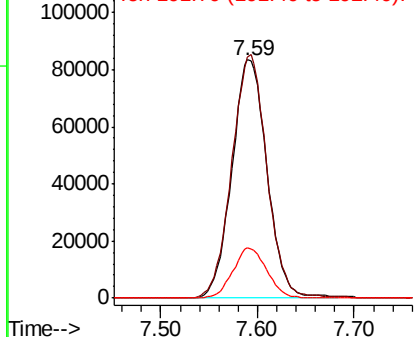


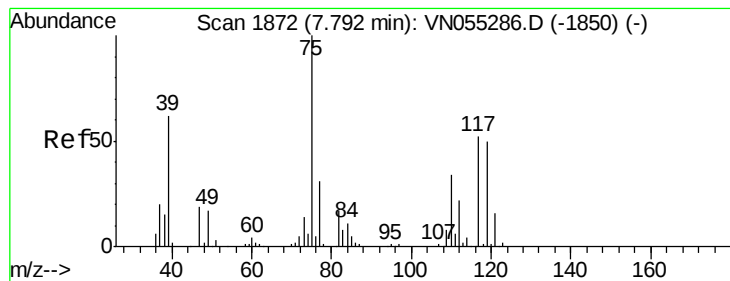
#35
 Dibromofluoromethane
 Concen: 48.910 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055440.D
 Acq: 7 May 2019 16:19

Tgt Ion:113 Resp: 210757
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.3 123.5
 192 20.4 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.290 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

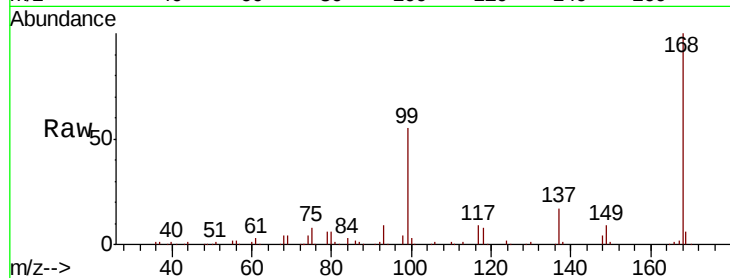
Tgt Ion: 75 Resp: 33263

Ion Ratio Lower Upper

75 100

110 8.2 16.8 50.4#

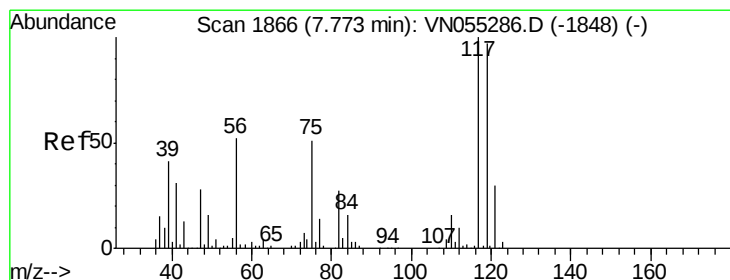
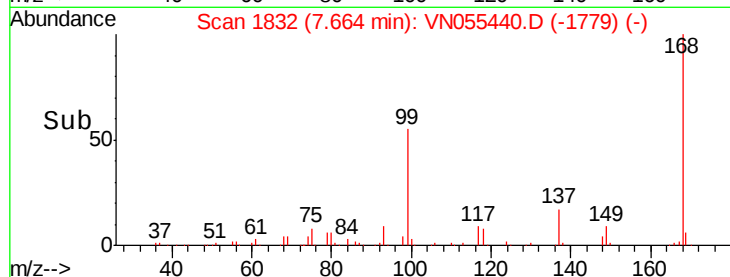
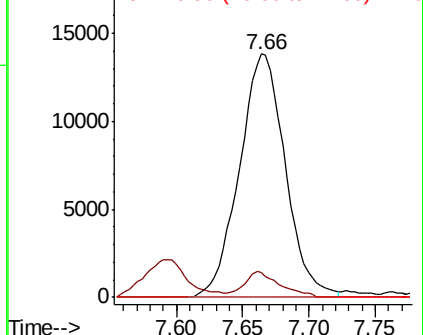
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055440.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055440.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055440.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.863 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

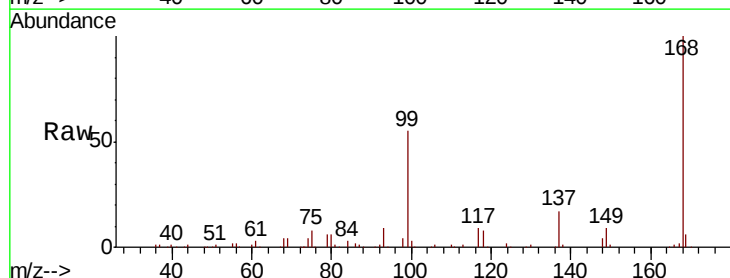
Tgt Ion: 117 Resp: 41629

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

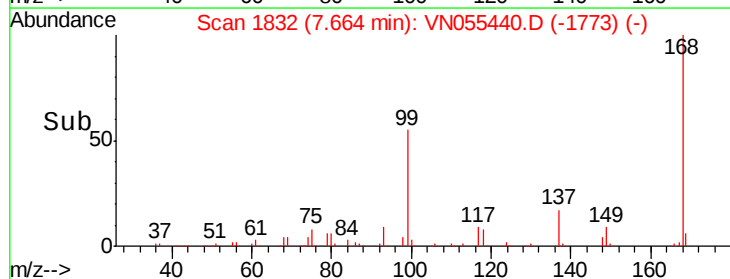
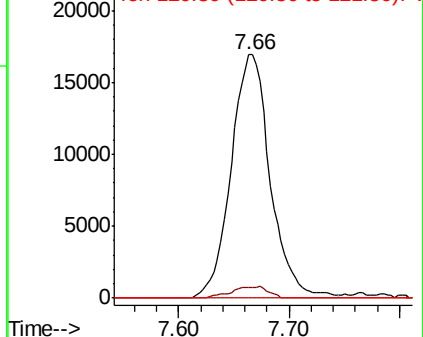
121 0.0 23.8 35.8#

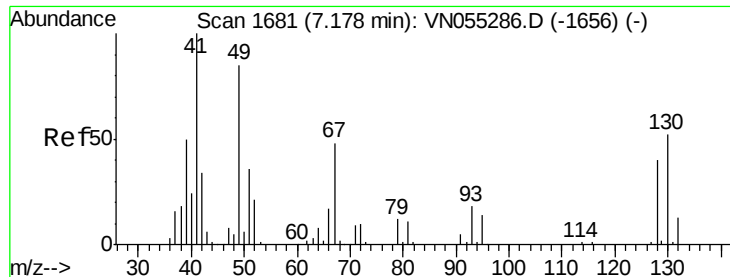


Abundance Ion 116.80 (116.50 to 117.50): VN055440.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055440.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055440.D (-1773) (-)

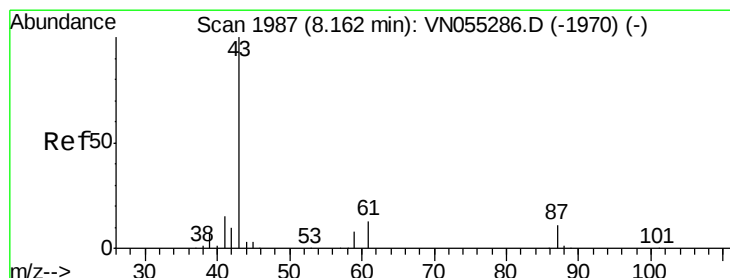
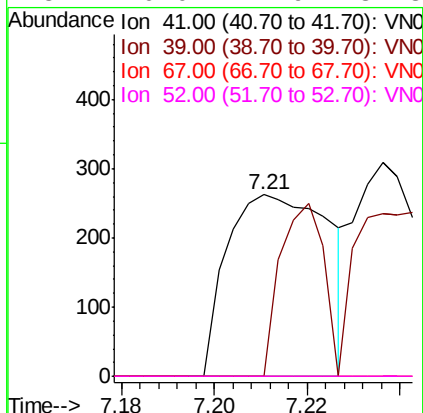
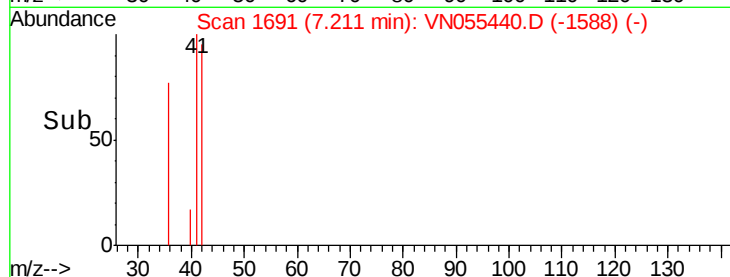
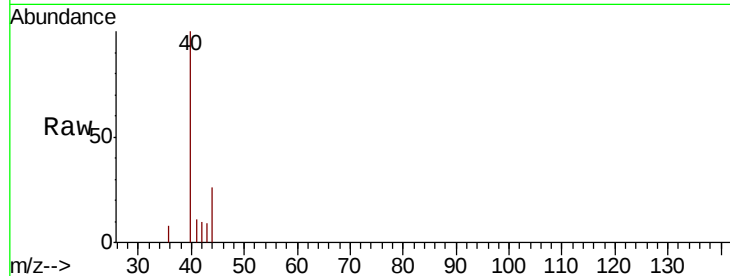




#41
Methacrylonitrile
Concen: 0.891 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

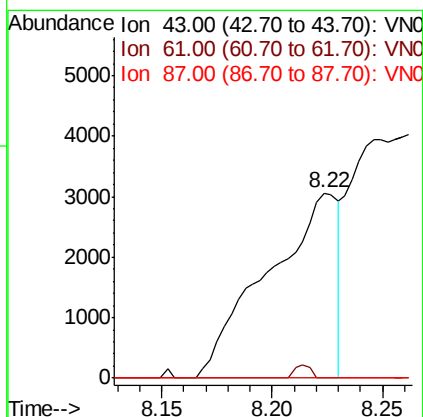
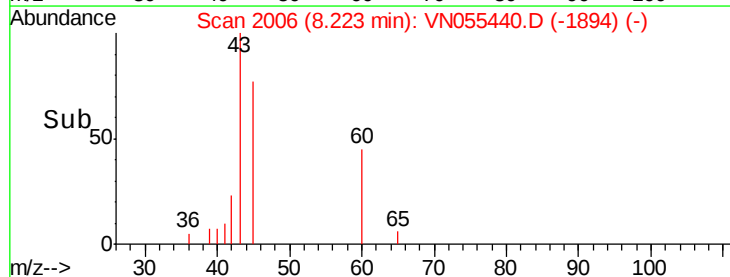
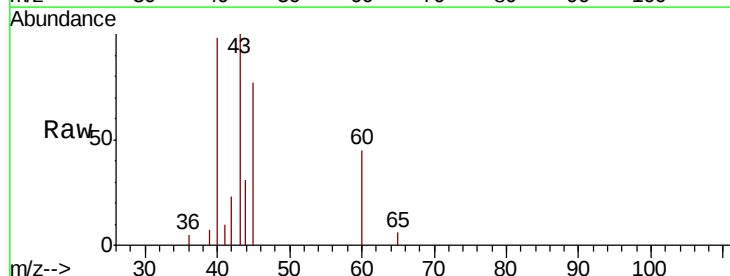
Instrument :
MSVOA_N
ClientSampleId :
FK-0D015-03-003

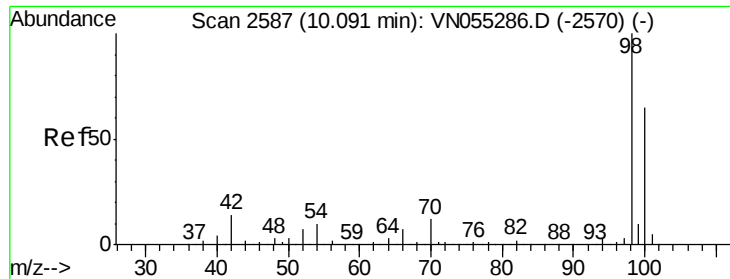
Tgt Ion:	41	Resp:	399
Ion	Ratio	Lower	Upper
41	100		
39	40.4	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 0.877 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Tgt Ion:	43	Resp:	6791
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.8	31.2#
87	0.0	8.5	12.7#





#50

Toluene-d8

Concen: 50.045 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

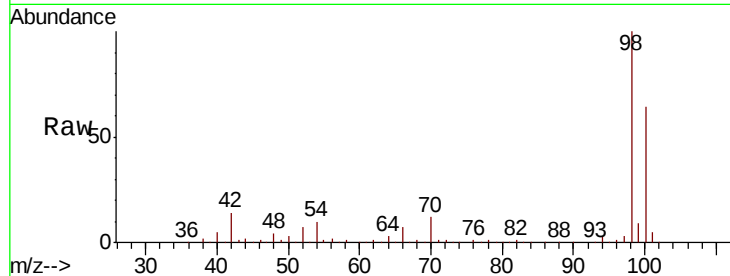
FK-0D015-03-003

Tgt Ion: 98 Resp: 778680

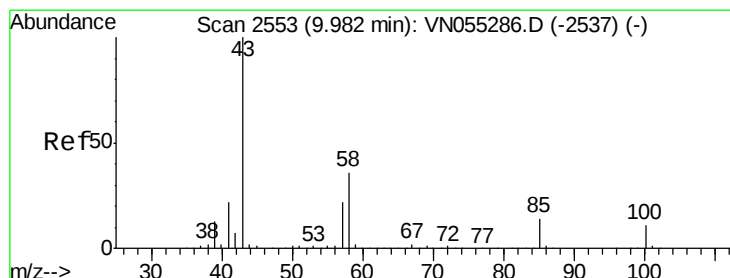
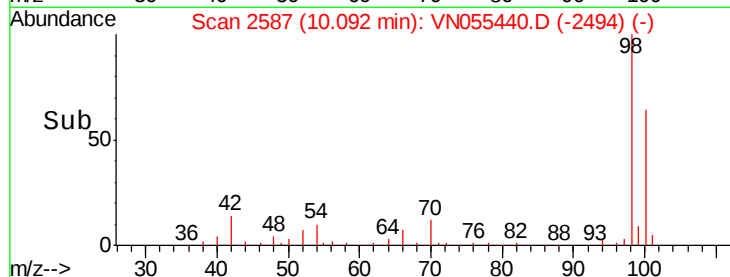
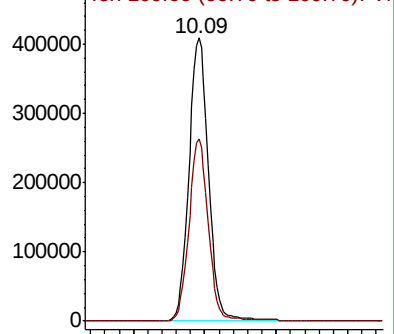
Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.380 ug/l

RT: 10.00 min Scan# 2557

Delta R.T. 0.01 min

Lab File: VN055440.D

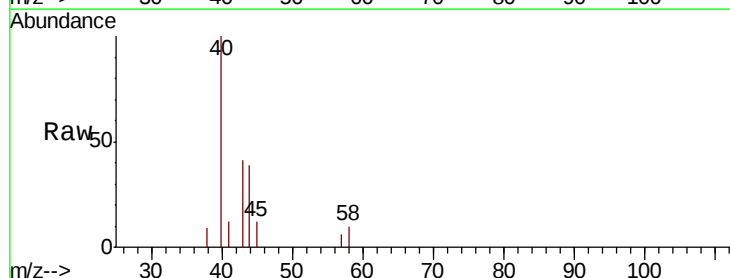
Acq: 7 May 2019 16:19

Tgt Ion: 43 Resp: 1656

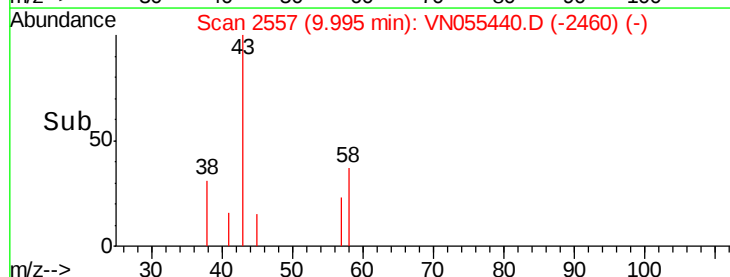
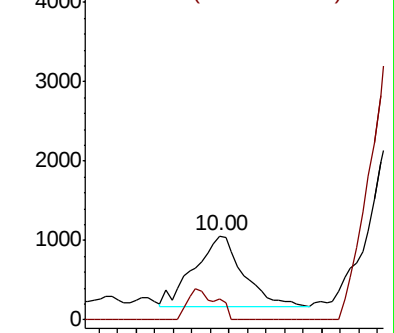
Ion Ratio Lower Upper

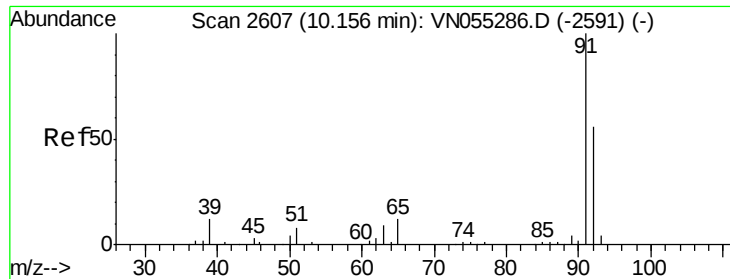
43 100

58 25.2 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)





#52

Toluene

Concen: 0.424 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

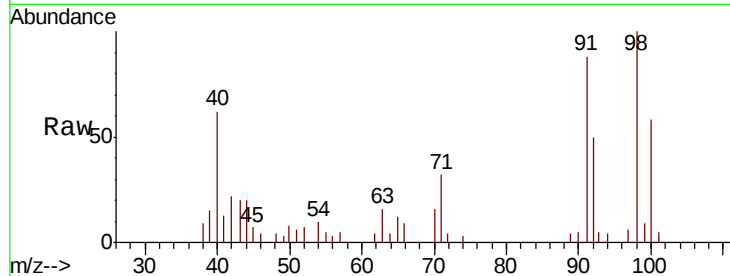
FK-0D015-03-003

Tgt Ion: 92 Resp: 4505

Ion Ratio Lower Upper

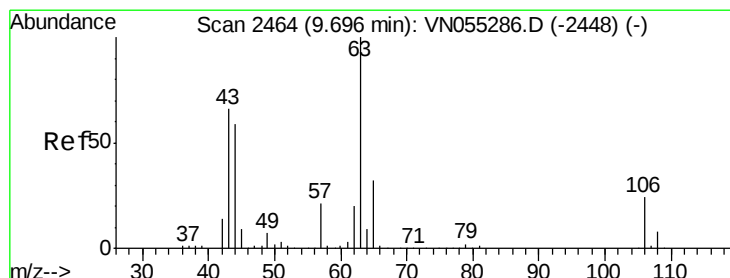
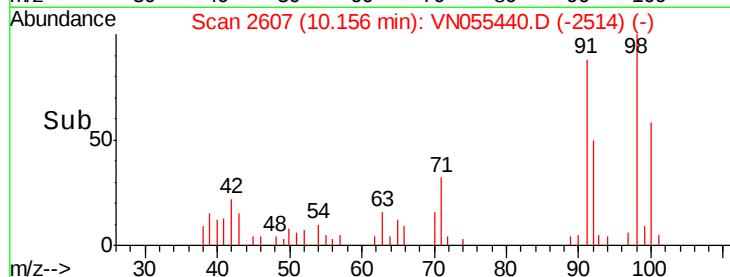
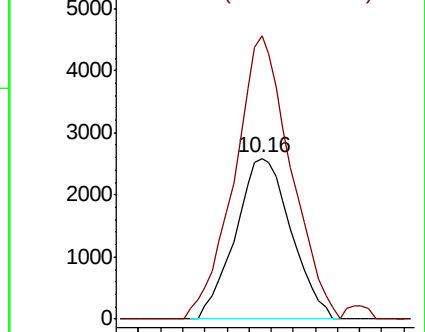
92 100

91 179.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055440.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055440.D (-2514) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 12.445 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055440.D

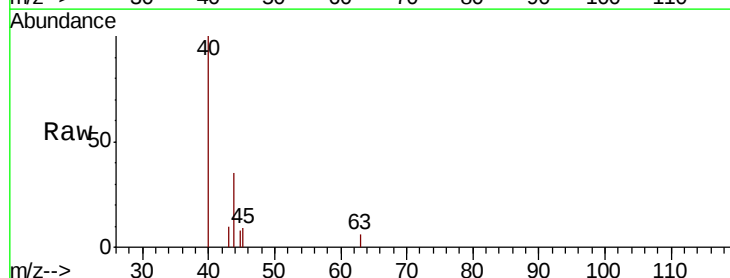
Acq: 7 May 2019 16:19

Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

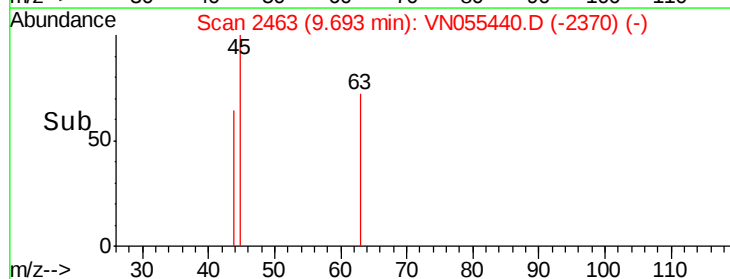
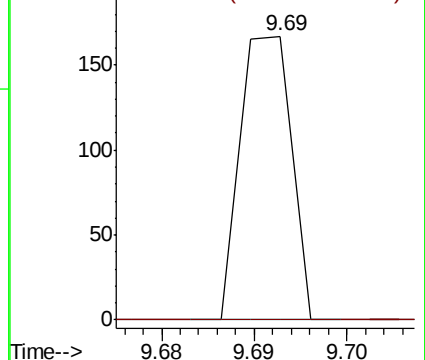
63 100

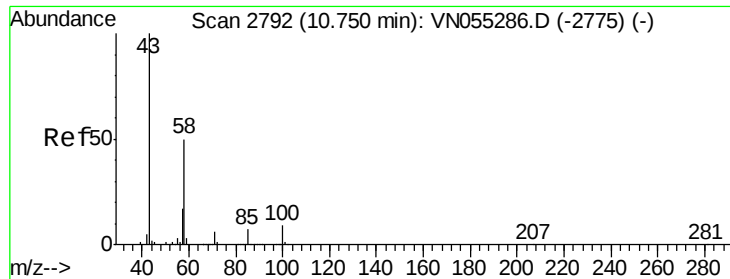
106 0.0 19.0 28.4#



Abundance Ion 62.90 (62.60 to 63.60): VN055440.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055440.D (-2370) (-)

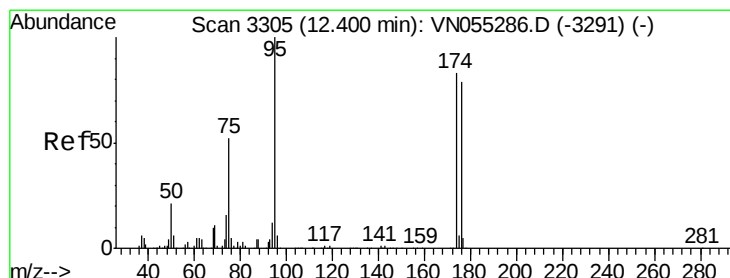
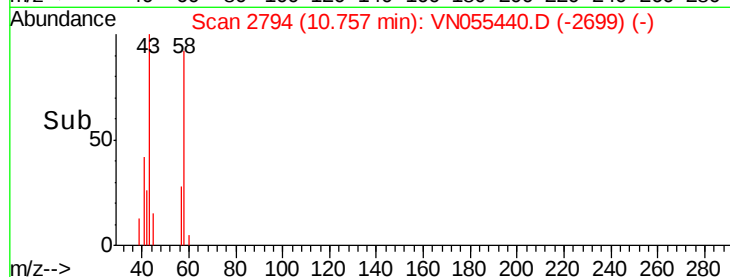
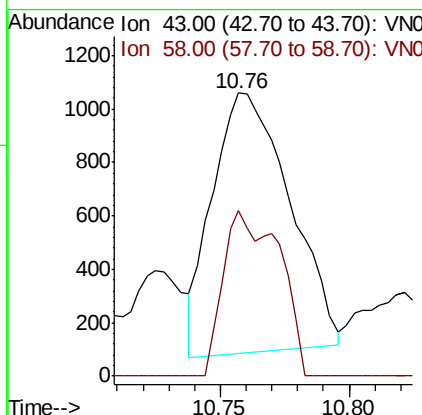
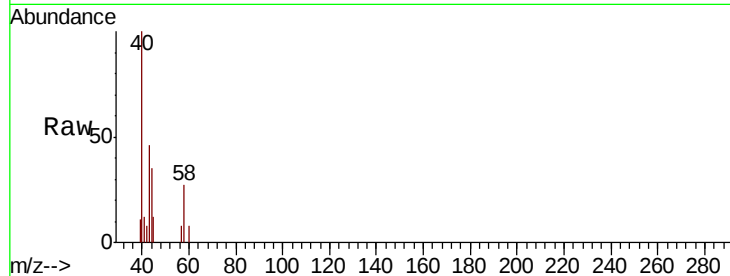




#59
2-Hexanone
Concen: 0.744 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

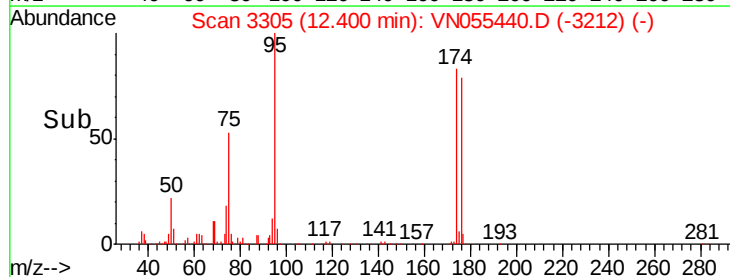
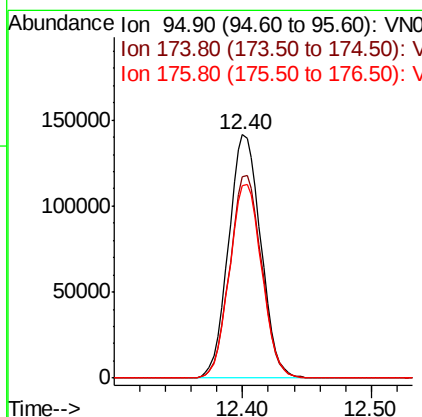
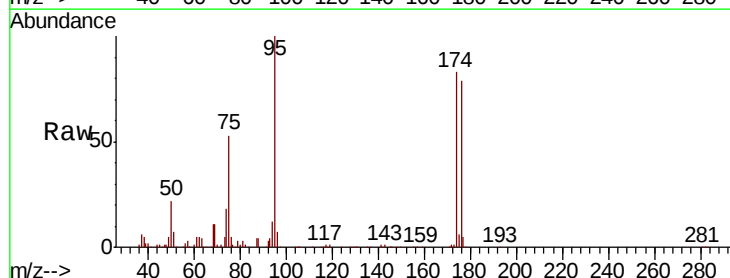
Instrument :
MSVOA_N
ClientSampleId :
FK-0D015-03-003

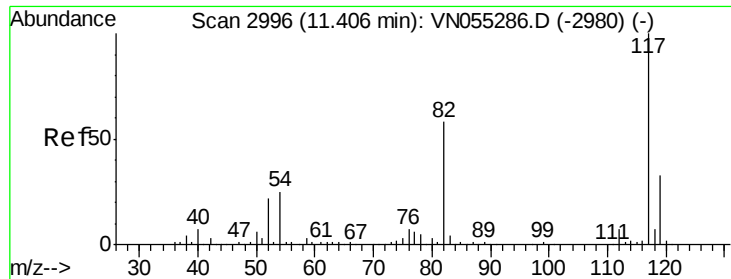
Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 46.5 24.9 74.6



#62
4-Bromofluorobenzene
Concen: 50.472 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Tgt Ion: 95 Resp: 245440
Ion Ratio Lower Upper
95 100
174 82.5 0.0 166.6
176 79.9 0.0 157.8

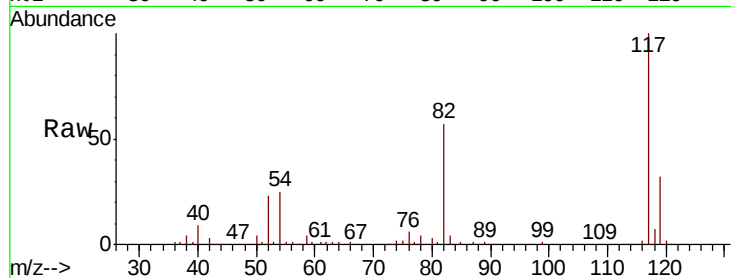




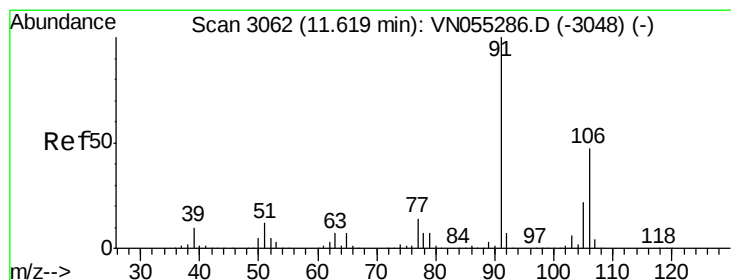
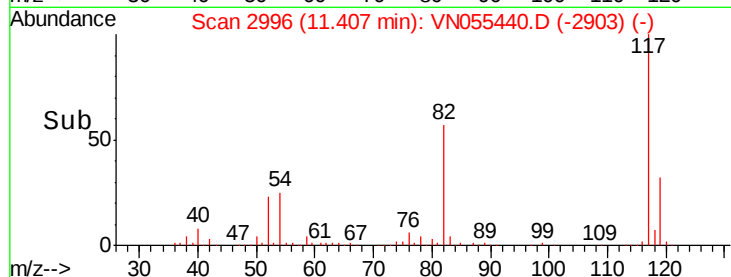
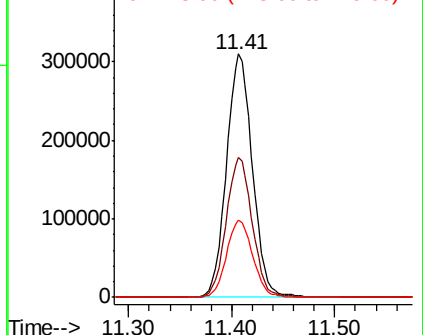
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Instrument :
MSVOA_N
ClientSampleId :
FK-0D015-03-003

Tgt Ion:117 Resp: 542347
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 31.8 26.6 40.0

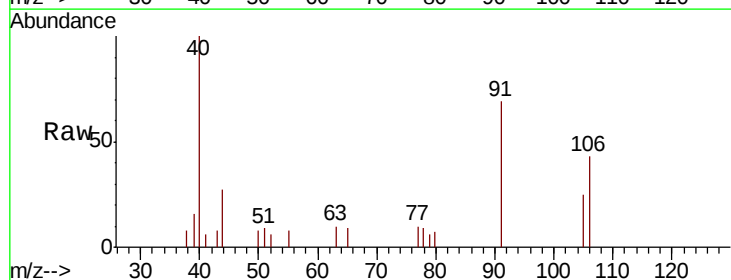


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

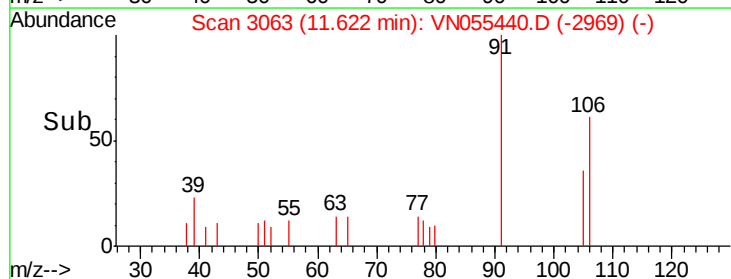
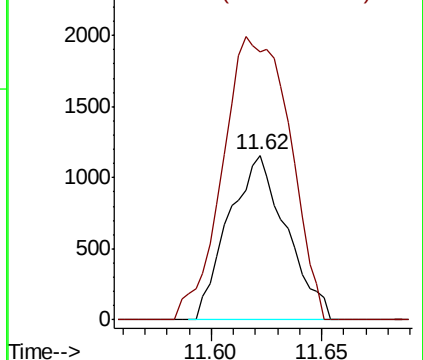


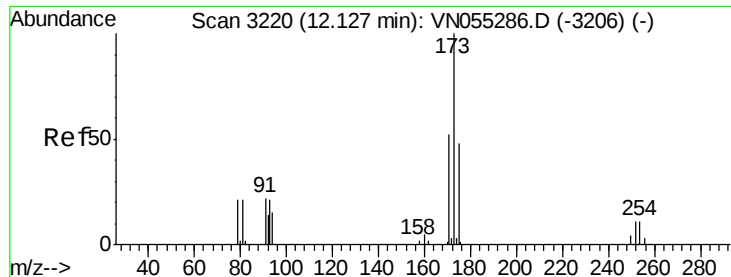
#68
m/p-Xylenes
Concen: 0.308 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055440.D
Acq: 7 May 2019 16:19

Tgt Ion:106 Resp: 2102
Ion Ratio Lower Upper
106 100
91 200.6 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.839 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

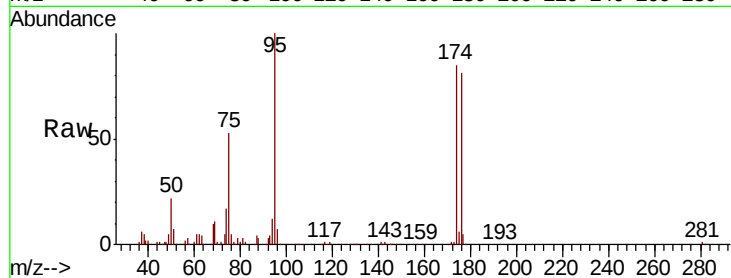
Tgt Ion:173 Resp: 1933

Ion Ratio Lower Upper

173 100

175 677.9 23.6 71.0#

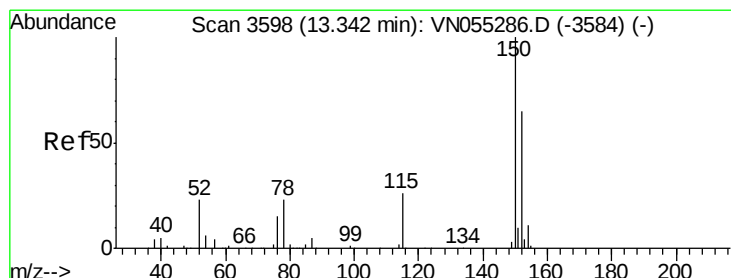
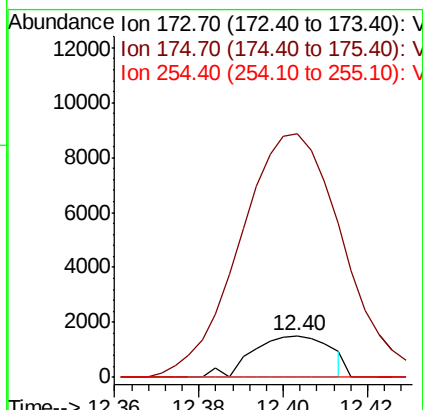
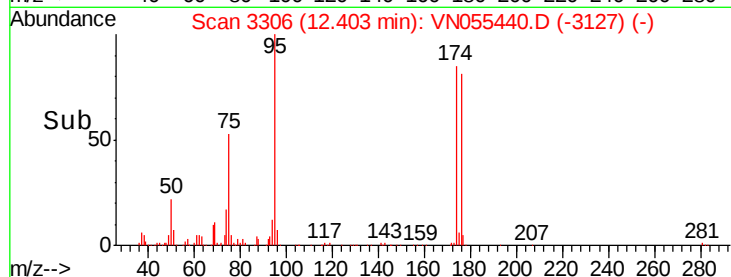
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

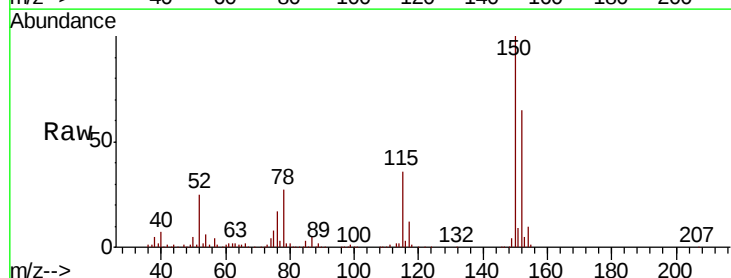
Tgt Ion:152 Resp: 197384

Ion Ratio Lower Upper

152 100

115 57.5 29.0 87.0

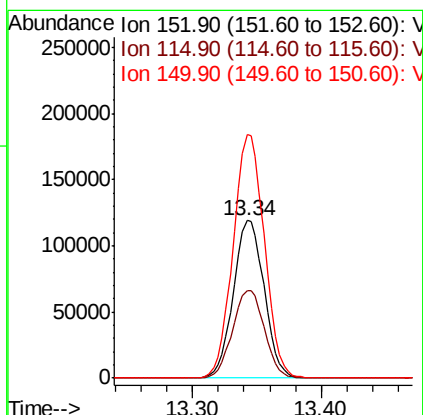
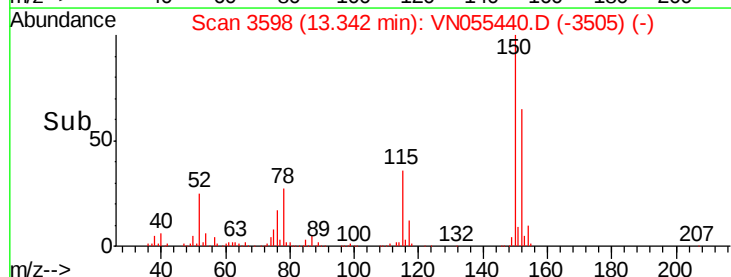
150 156.6 0.0 345.6

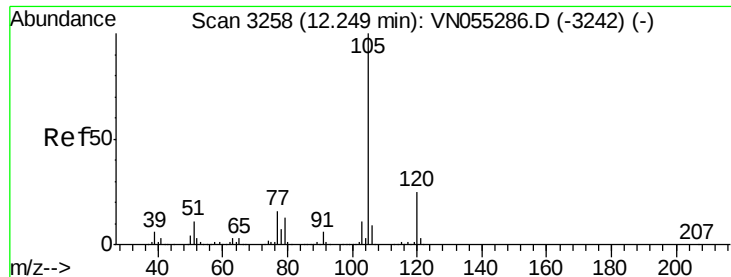


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

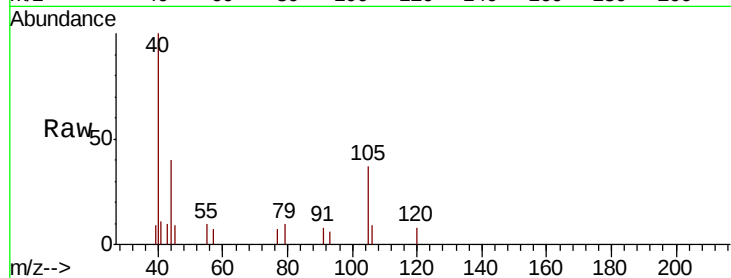
FK-0D015-03-003

Tgt Ion: 105 Resp: 1574

Ion Ratio Lower Upper

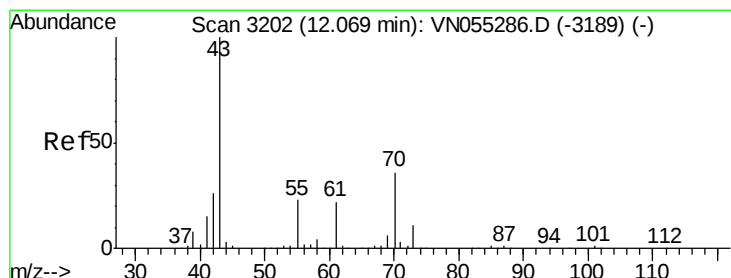
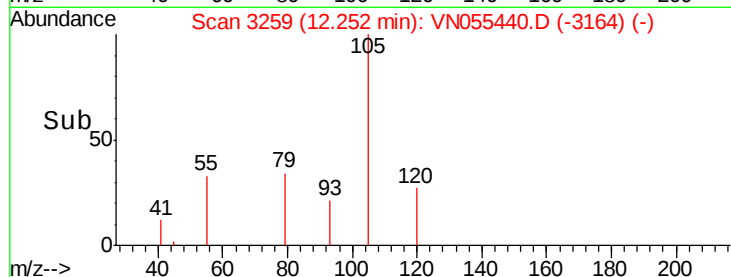
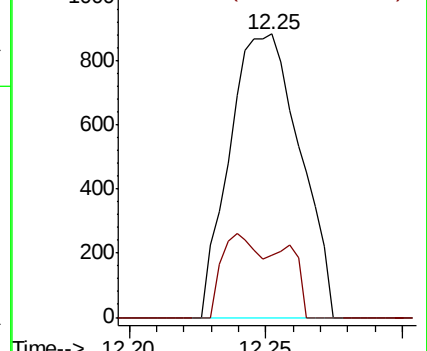
105 100

120 15.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.243 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Tgt Ion: 43 Resp: 1233

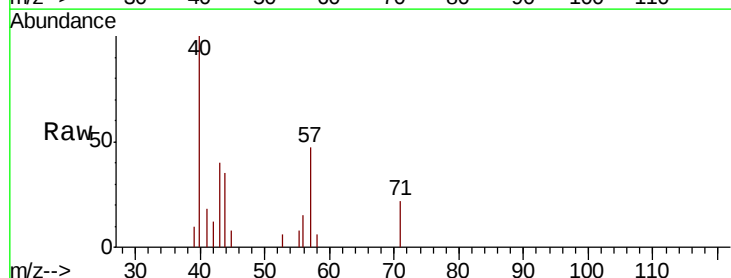
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 16.4 18.2 27.2#

61 0.0 16.9 25.3#

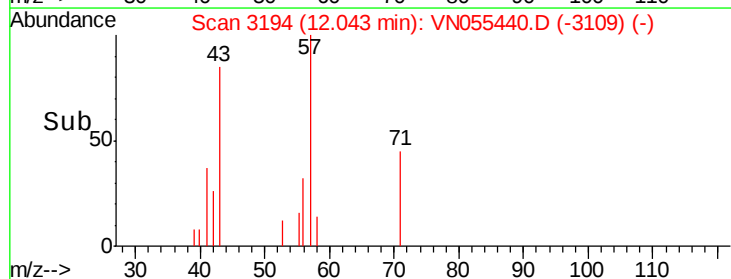
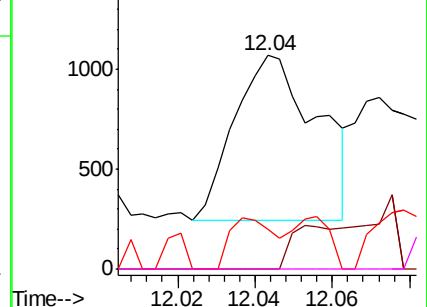


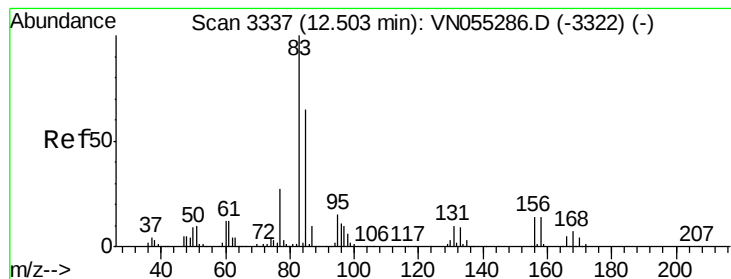
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

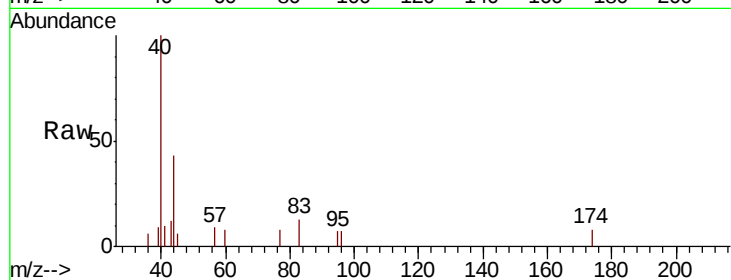
Tgt Ion: 83 Resp: 334

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

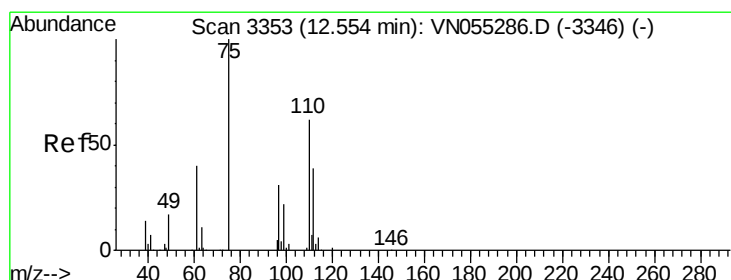
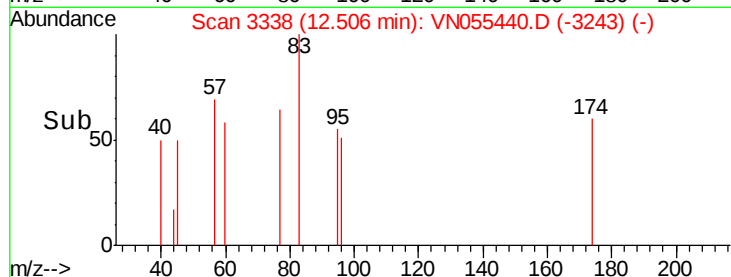
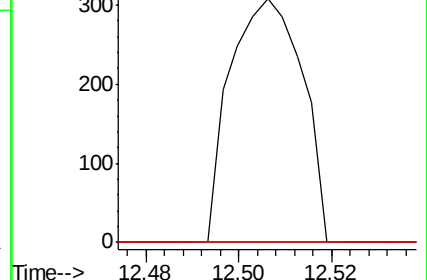
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.038 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055440.D

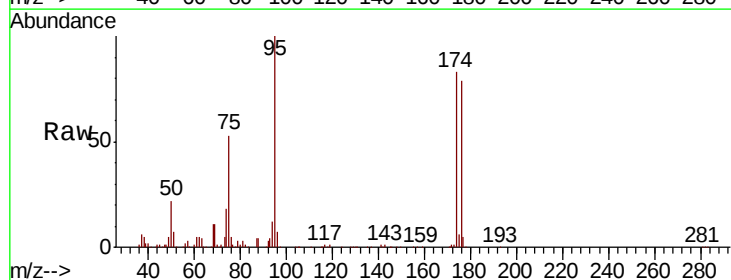
Acq: 7 May 2019 16:19

Tgt Ion: 75 Resp: 127830

Ion Ratio Lower Upper

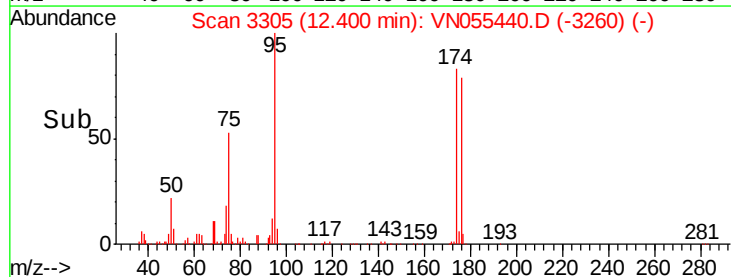
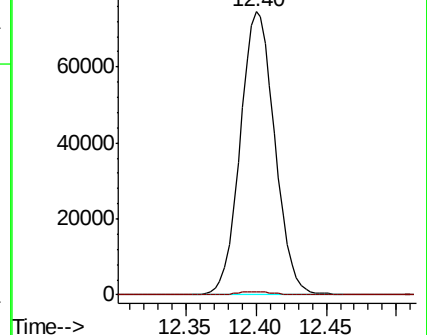
75 100

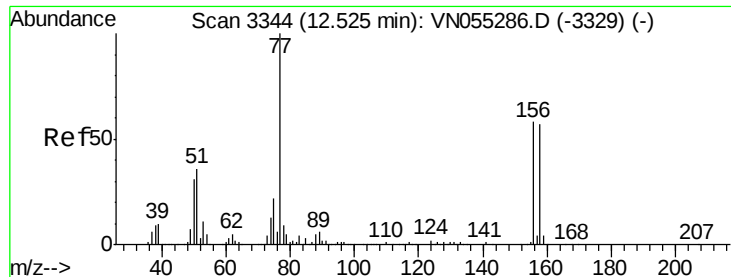
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

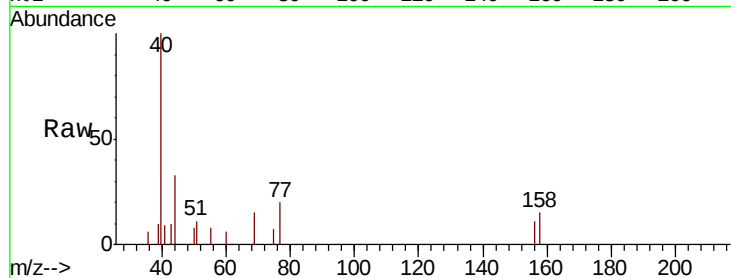
Tgt Ion:156 Resp: 174

Ion Ratio Lower Upper

156 100

77 528.2 99.6 298.8#

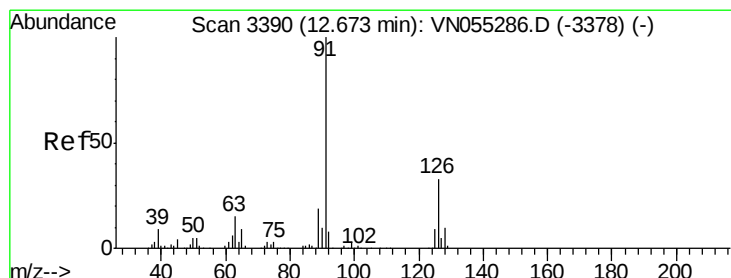
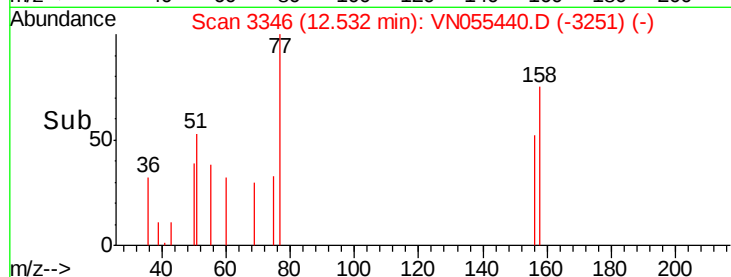
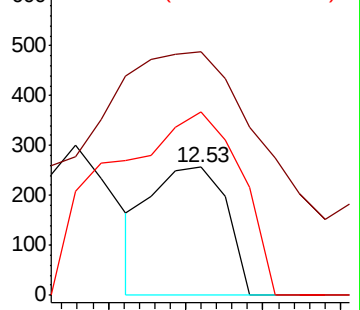
158 250.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055440.D

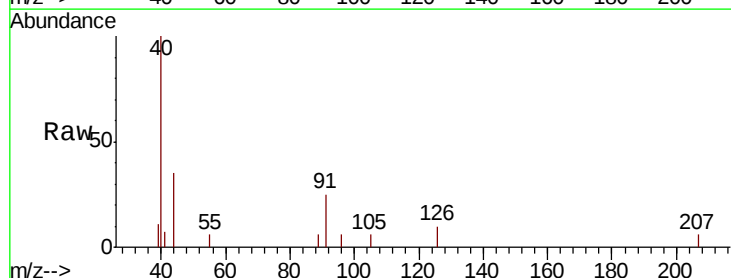
Acq: 7 May 2019 16:19

Tgt Ion: 91 Resp: 1082

Ion Ratio Lower Upper

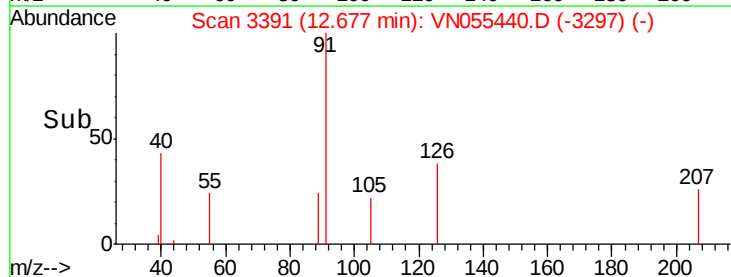
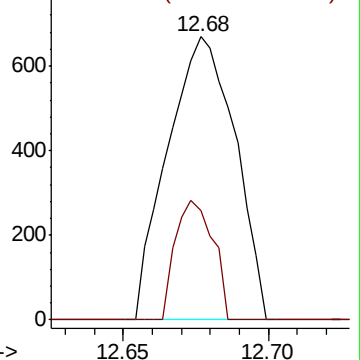
91 100

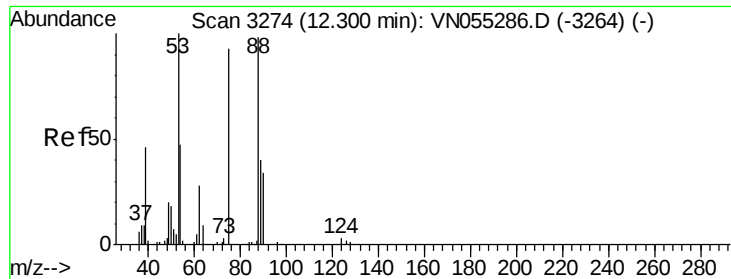
126 23.6 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 122.729 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

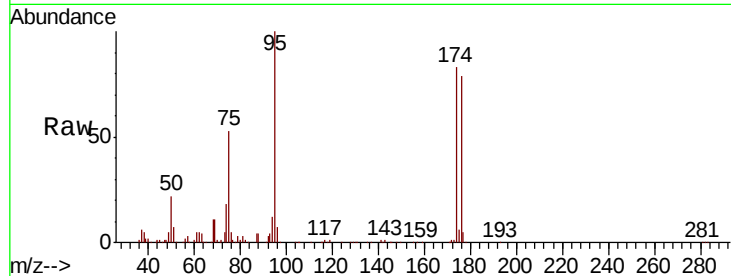
Tgt Ion: 75 Resp: 127830

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

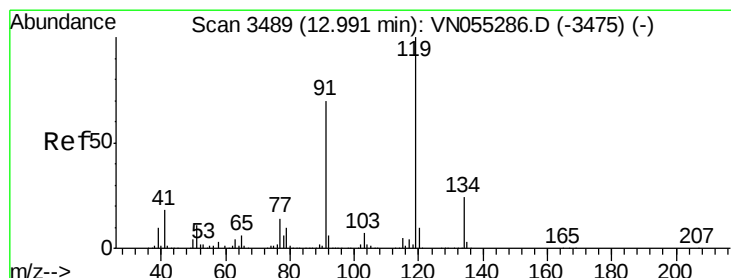
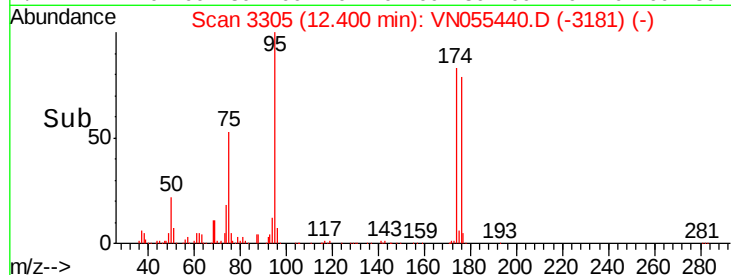
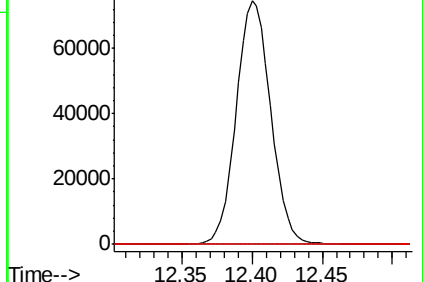
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055440.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055440.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055440.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

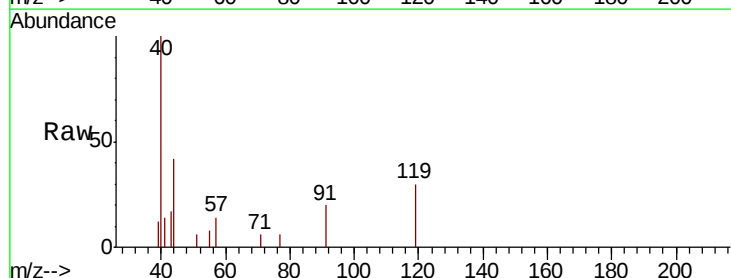
Tgt Ion: 119 Resp: 1053

Ion Ratio Lower Upper

119 100

91 80.2 34.3 102.9

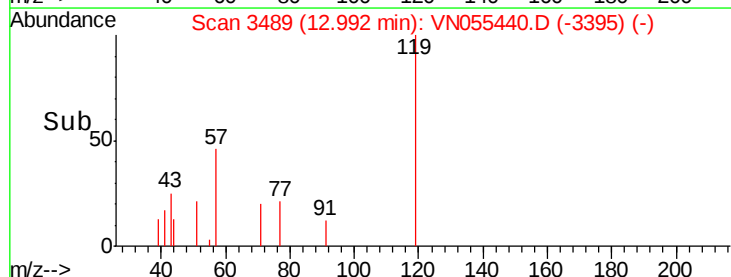
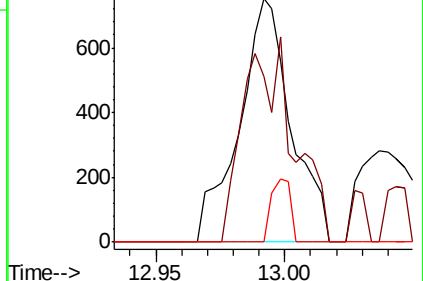
134 9.8 13.1 39.3#

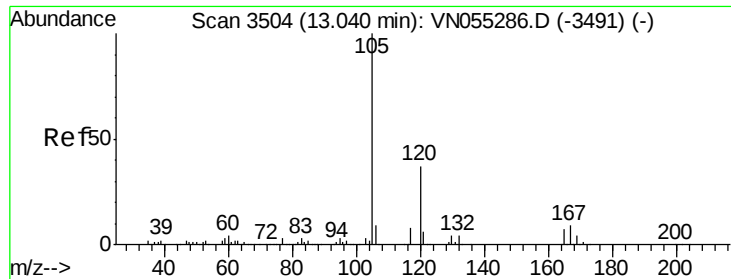


Abundance Ion 119.00 (118.70 to 119.70): VN055440.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055440.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055440.D (-3489) (-)

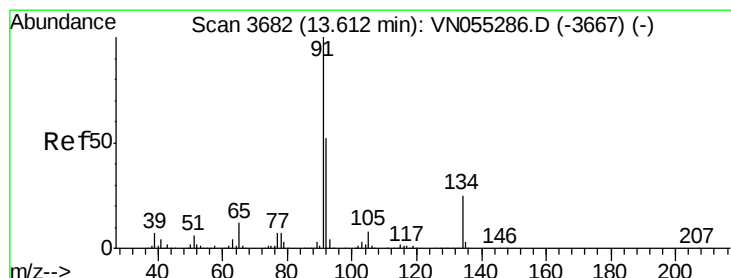
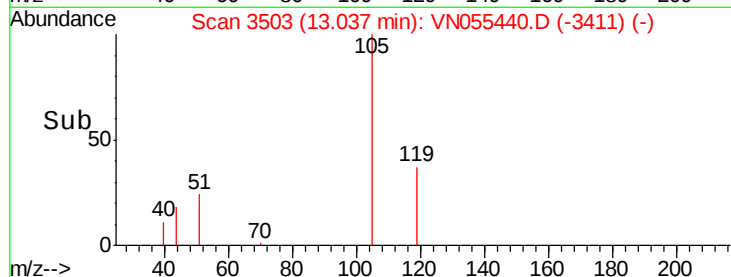
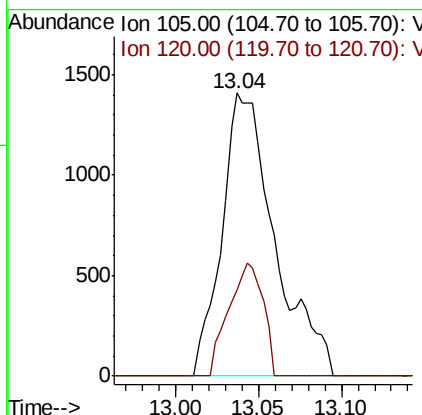
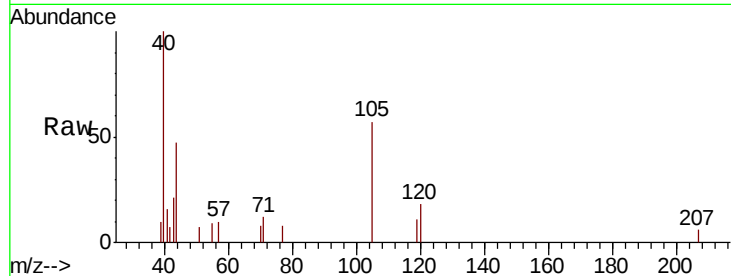




#84
 1,2,4-Trimethylbenzene
 Concen: 0.226 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055440.D
 Acq: 7 May 2019 16:19

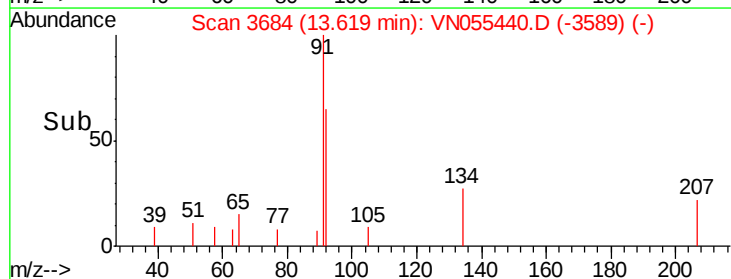
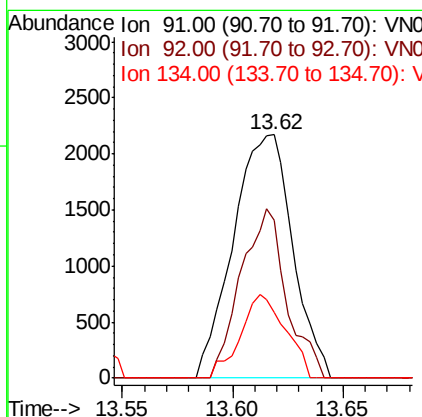
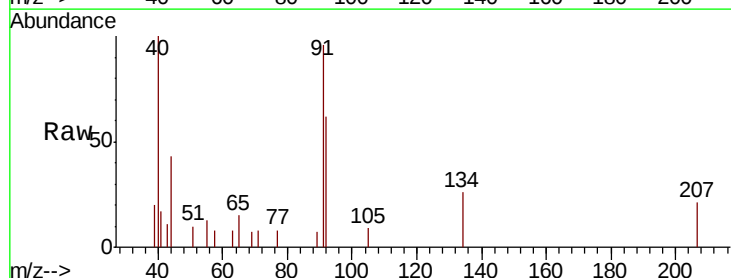
Instrument :
 MSVOA_N
 ClientSampleId :
 FK-0D015-03-003

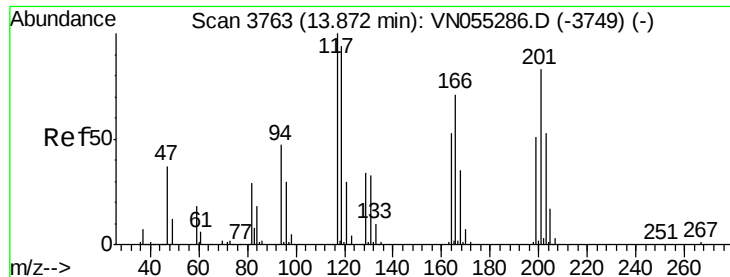
Tgt Ion: 105 Resp: 3129
 Ion Ratio Lower Upper
 105 100
 120 25.8 22.1 66.5



#89
 n-Butylbenzene
 Concen: 0.413 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.01 min
 Lab File: VN055440.D
 Acq: 7 May 2019 16:19

Tgt Ion: 91 Resp: 4054
 Ion Ratio Lower Upper
 91 100
 92 53.6 26.1 78.3
 134 26.0 12.4 37.4





#90

Hexachloroethane

Concen: Below Cal

RT: 13.99 min Scan# 3800

Delta R.T. 0.12 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

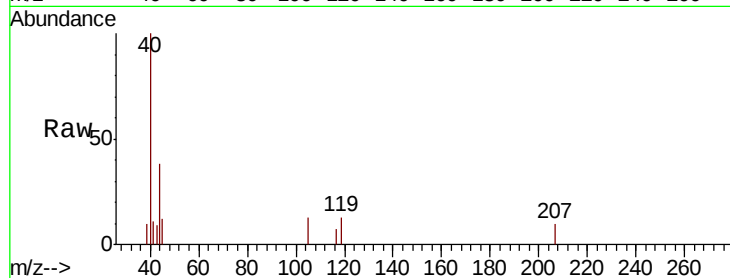
FK-0D015-03-003

Tgt Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.99

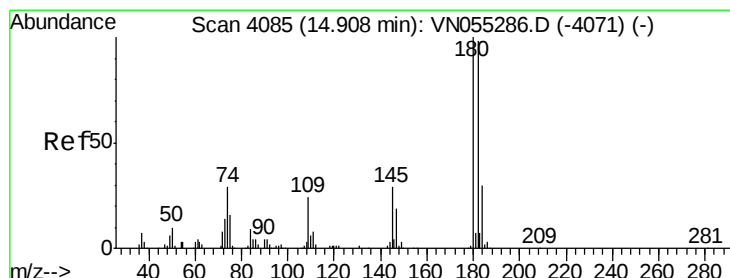
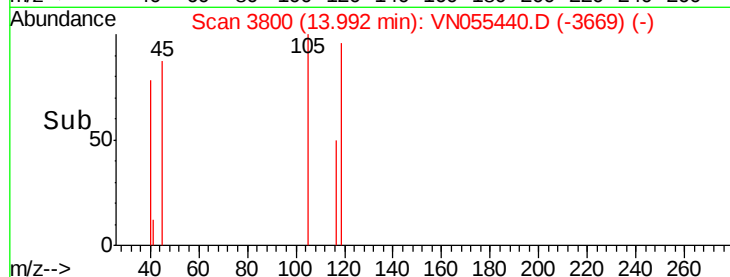
150

100

50

0

Time--> 13.98 13.99 14.00



#93

1,2,4-Trichlorobenzene

Concen: 4.040 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

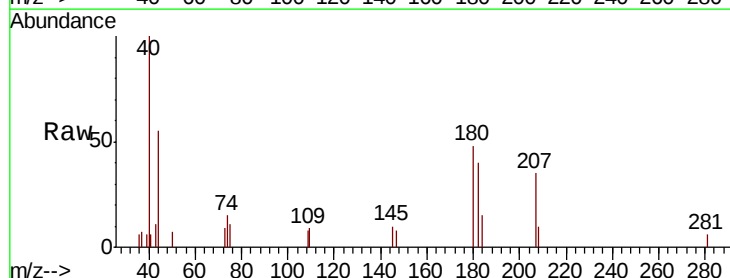
Tgt Ion:180 Resp: 2017

Ion Ratio Lower Upper

180 100

182 72.5 48.3 144.9

145 21.5 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

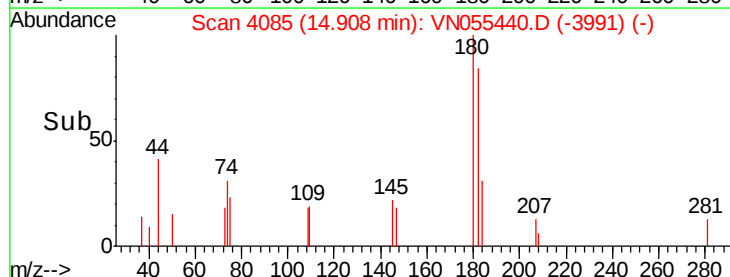
1500

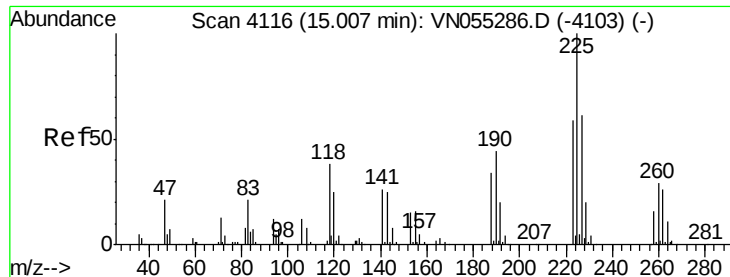
1000

500

0

Time--> 14.90 14.91 14.95





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

Instrument :

MSVOA_N

ClientSampleId :

FK-0D015-03-003

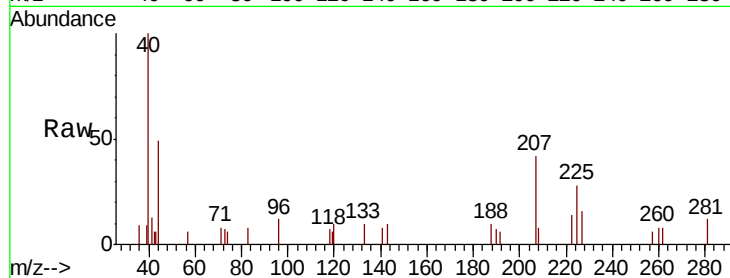
Tgt Ion:225 Resp: 805

Ion Ratio Lower Upper

225 100

223 47.3 30.3 90.8

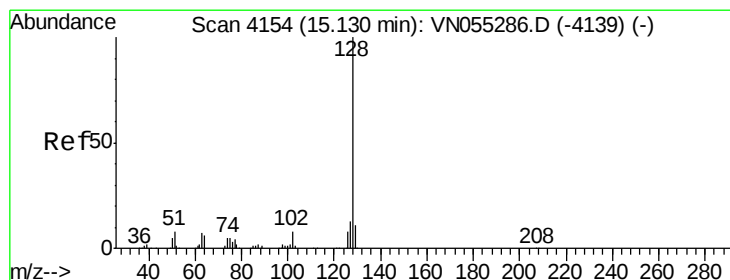
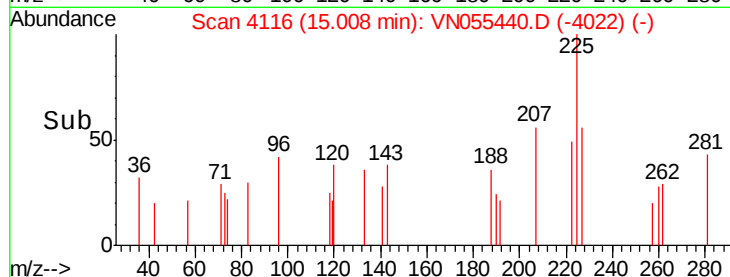
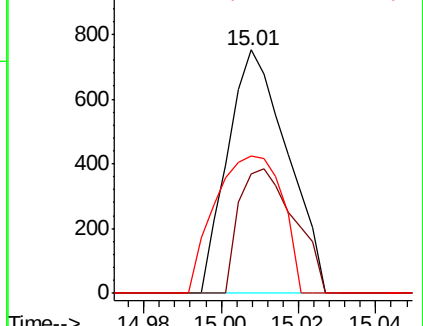
227 63.6 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.112 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055440.D

Acq: 7 May 2019 16:19

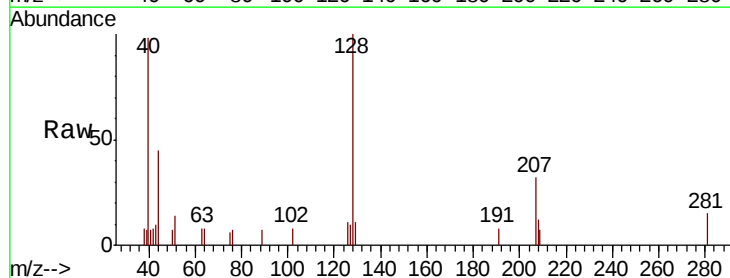
Tgt Ion:128 Resp: 4604

Ion Ratio Lower Upper

128 100

127 10.6 10.7 16.1#

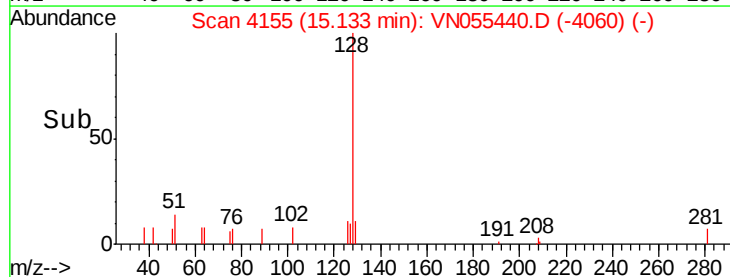
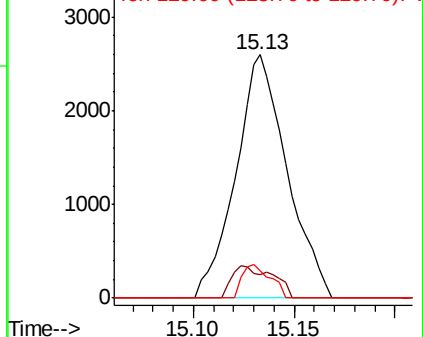
129 7.6 8.6 13.0#

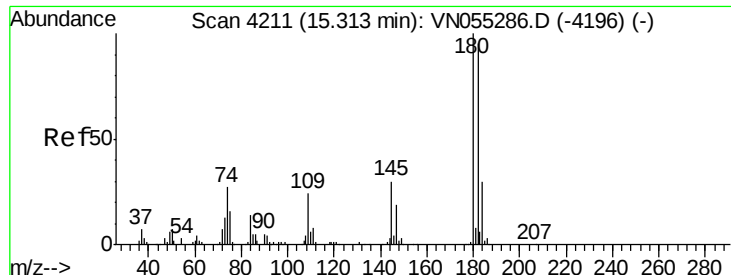


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

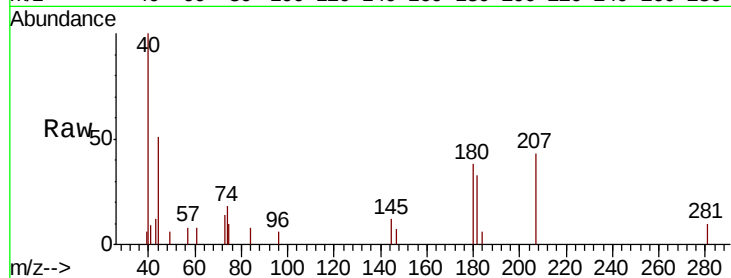




#96
 1,2,3-Trichlorobenzene
 Concen: 3.263 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055440.D
 Acq: 7 May 2019 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 FK-0D015-03-003

Tgt Ion	Resp	Lower	Upper
180	1744		
182	96.9	48.3	144.9
145	31.3	15.2	45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

