

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056413.D
 Acq On : 21 Jun 2019 10:11
 Operator : JC/SP
 Sample : VN0621MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Quant Time: Jun 22 01:44:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

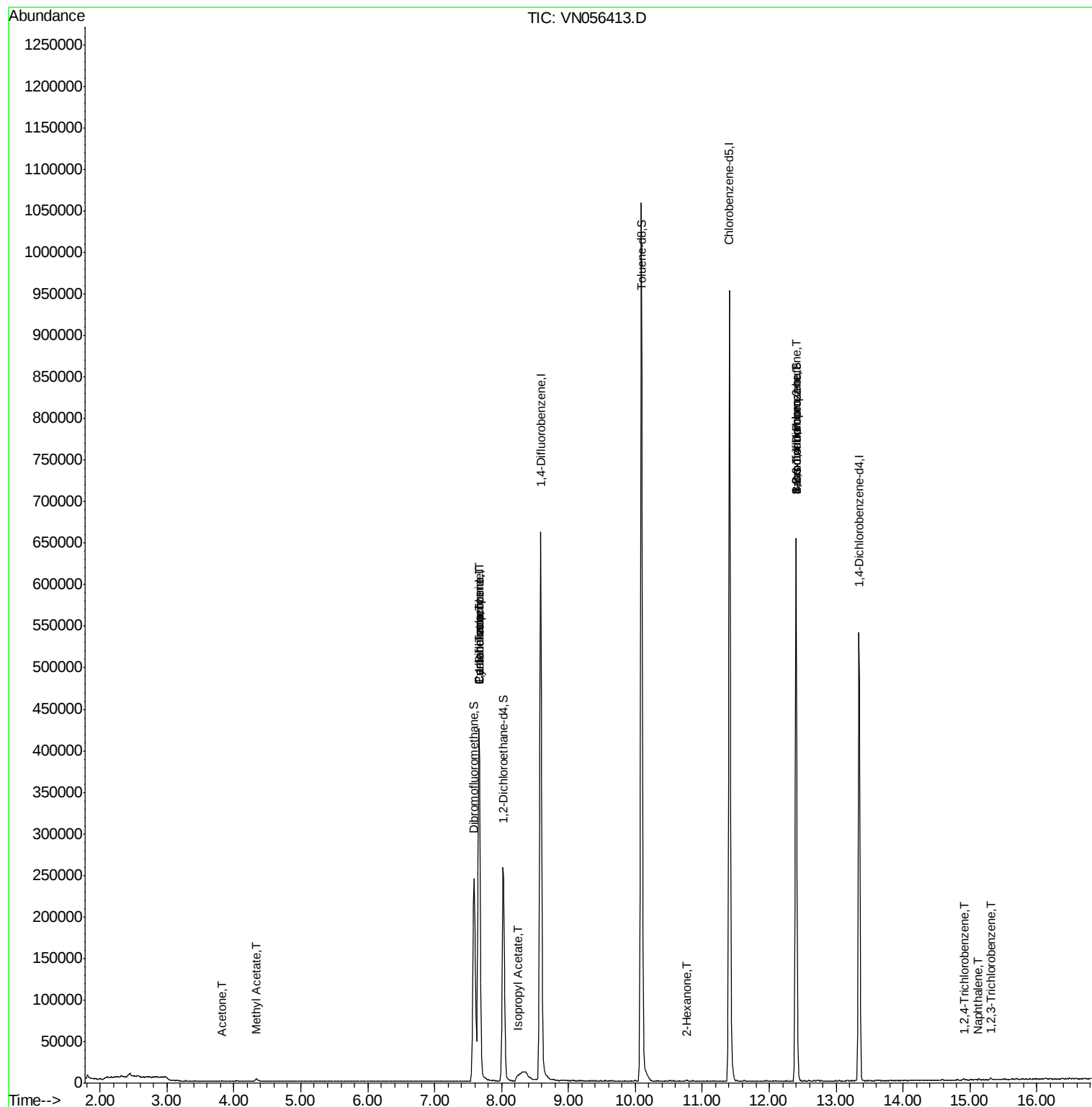
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	389522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	215922	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.59	113	191888	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	10.09	98	790746	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	233012	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	778	0.360	ug/l #	42
18) Methyl Acetate	4.34	43	5605	0.463	ug/l #	81
20) Methylene Chloride	4.55	84	88	Below Cal	#	7
31) Cyclohexane	7.66	56	5768	0.865	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25421	4.421	ug/l #	49
38) Carbon Tetrachloride	7.66	117	33419	6.646	ug/l #	14
43) Isopropyl Acetate	8.24	43	6238	0.716	ug/l #	54
59) 2-Hexanone	10.77	43	1217	0.294	ug/l #	46
71) Bromoform	12.40	173	1698	3.626	ug/l #	1
73) Isopropylbenzene	12.26	105	511	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	108194	32.284	ug/l #	100
79) 2-Chlorotoluene	12.68	91	498	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.74	105	472	Below Cal	#	37
81) trans-1,4-Dichloro-2-buten	12.40	75	108194	114.741	ug/l #	8
83) tert-Butylbenzene	12.99	119	335	Below Cal	#	74
93) 1,2,4-Trichlorobenzene	14.91	180	638	5.814	ug/l #	71
94) Hexachlorobutadiene	15.01	225	265	Below Cal	#	18
95) Naphthalene	15.13	128	1895	5.474	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	1159	4.841	ug/l #	89

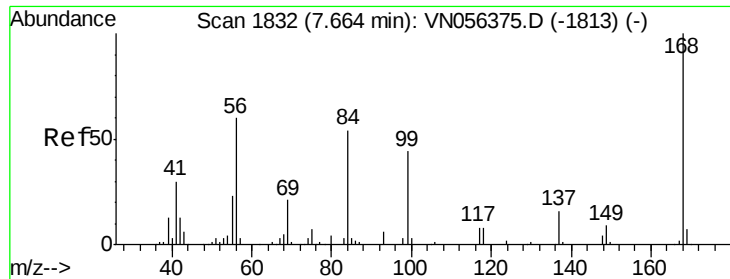
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0621MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0621MBL01

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

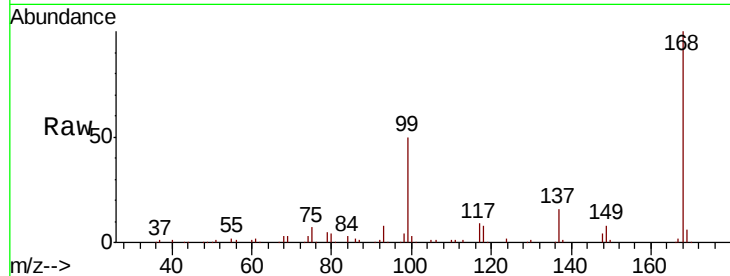
VN0621MBL01

Tot Ion:168 Resp: 389522

Ion Ratio Lower Upper

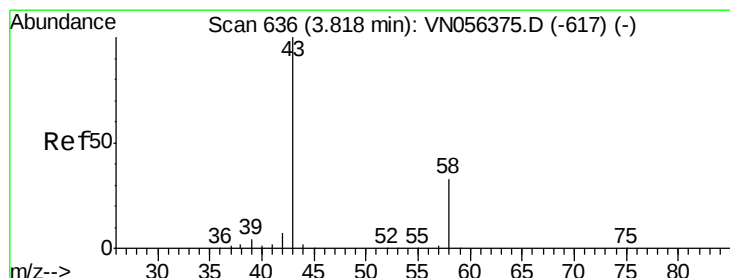
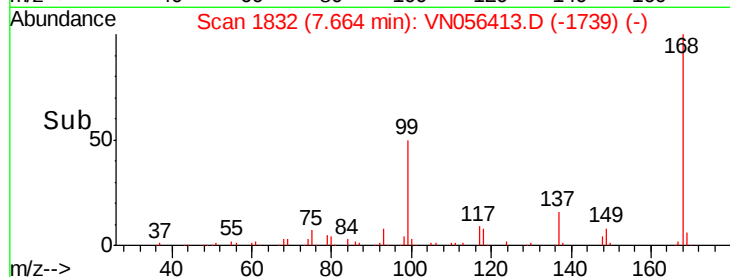
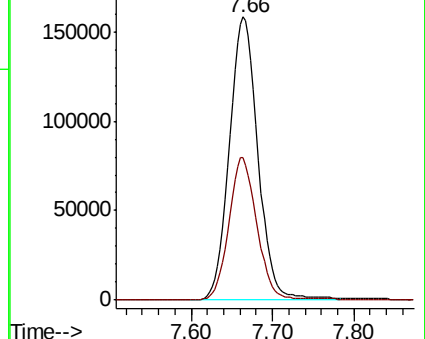
168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.360 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056413.D

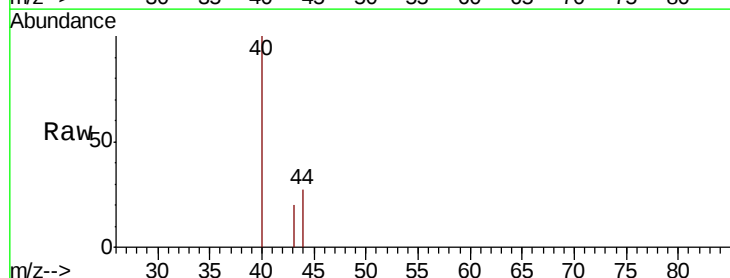
Acq: 21 Jun 2019 10:11

Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

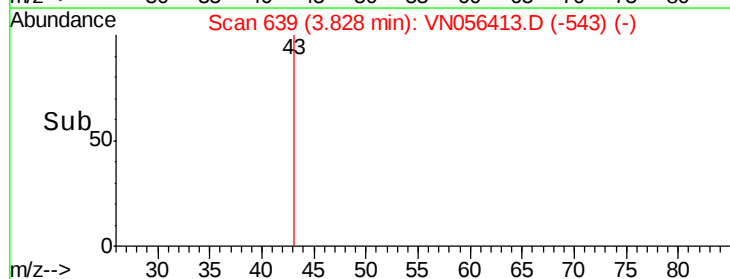
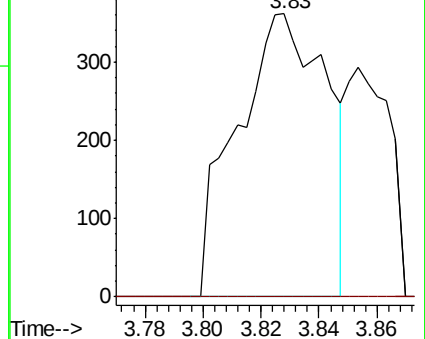
43 100

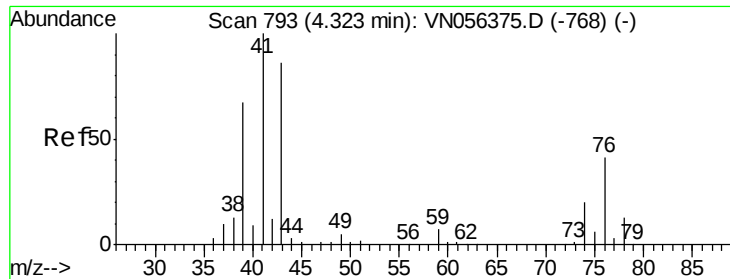
58 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

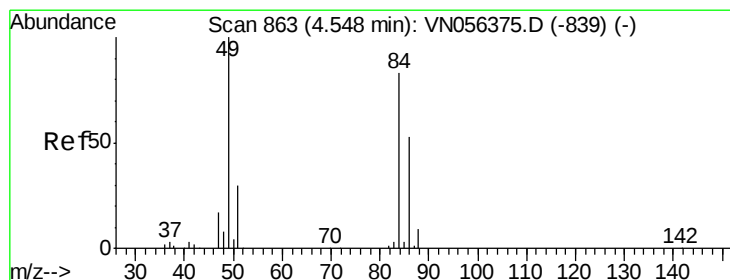
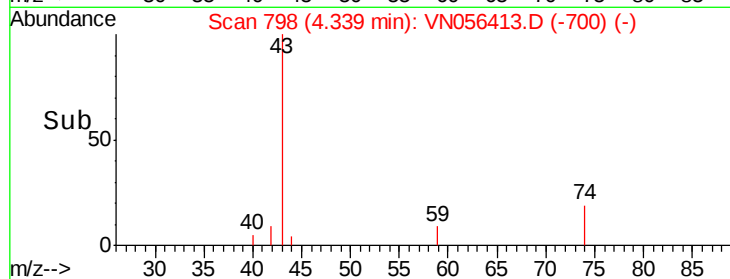
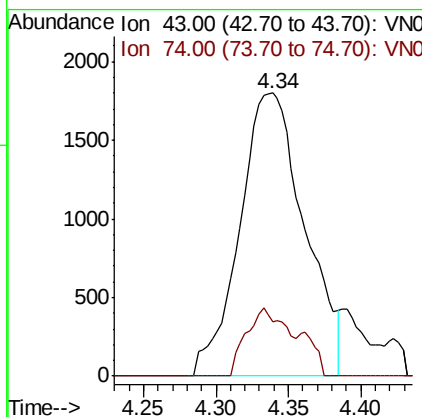
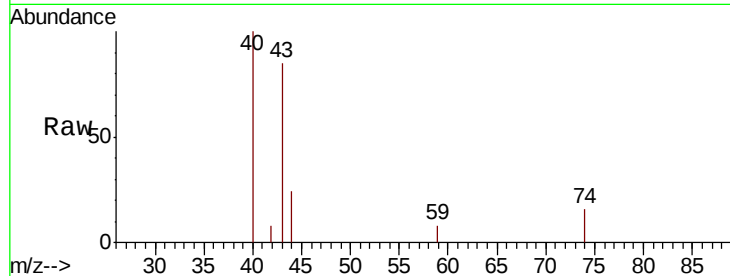




#18
Methyl Acetate
Concen: 0.463 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

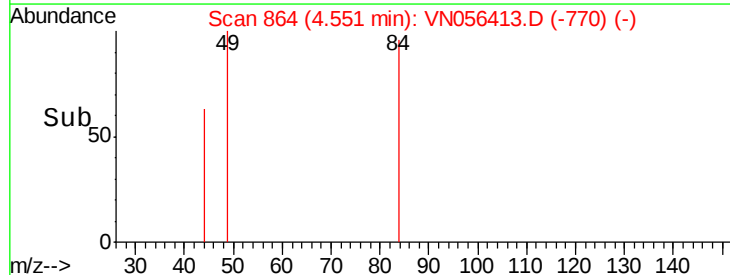
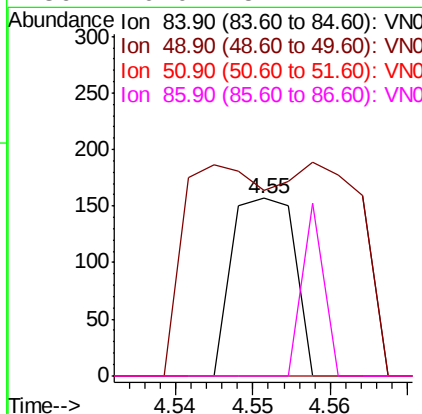
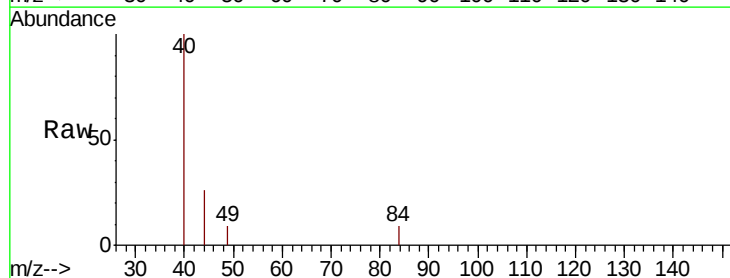
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

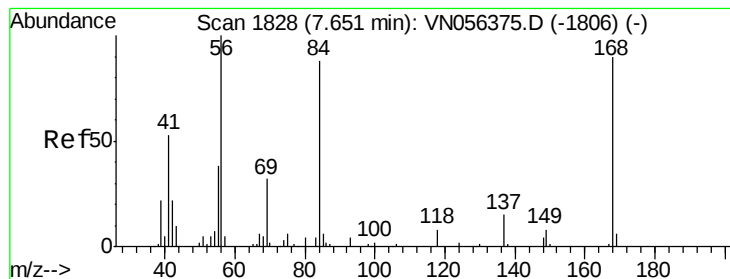
Tot Ion: 43 Resp: 5605
Ion Ratio Lower Upper
43 100
74 14.8 19.2 28.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

Tgt Ion: 84 Resp: 88
Ion Ratio Lower Upper
84 100
49 0.0 96.4 144.6#
51 0.0 28.6 43.0#
86 0.0 51.4 77.2#





#31

Cyclohexane

Concen: 0.865 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

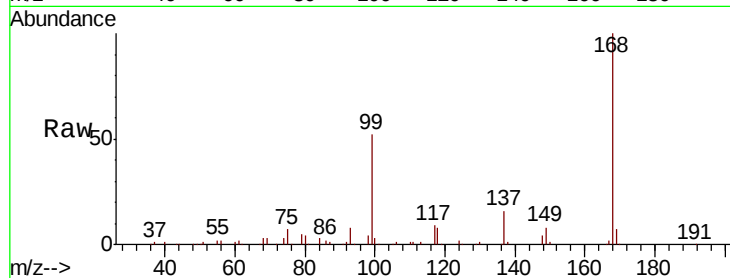
Tot Ion: 56 Resp: 5768

Ion Ratio Lower Upper

56 100

69 218.4 25.8 38.6#

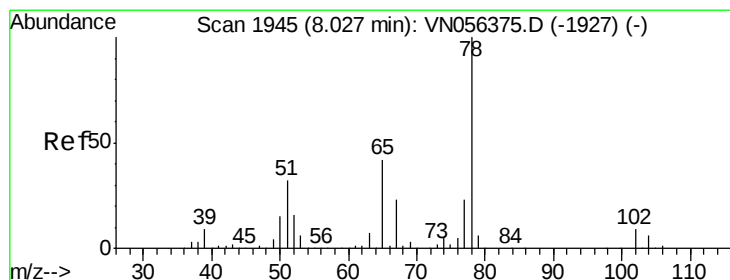
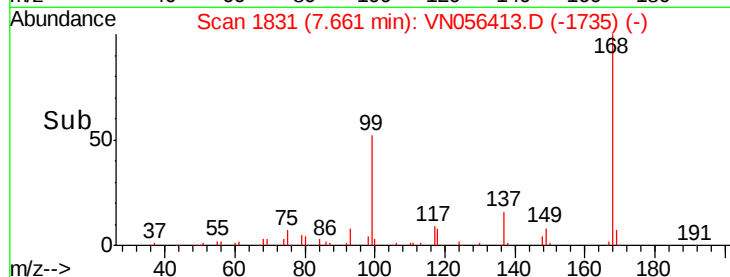
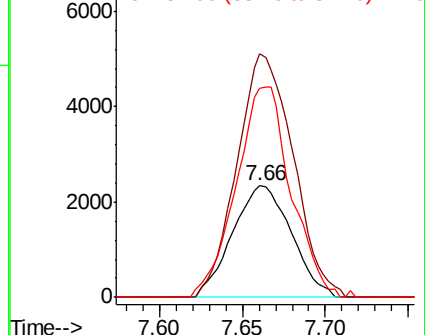
84 187.9 69.4 104.0#



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: 50.015 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056413.D

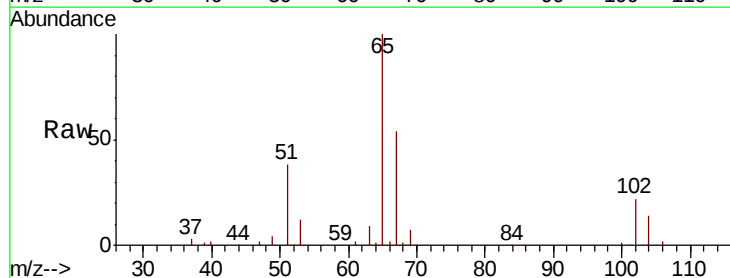
Acq: 21 Jun 2019 10:11

Tgt Ion: 65 Resp: 215922

Ion Ratio Lower Upper

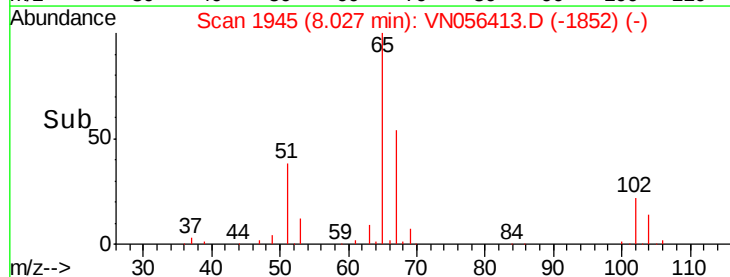
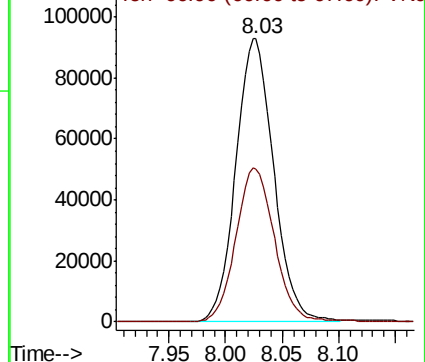
65 100

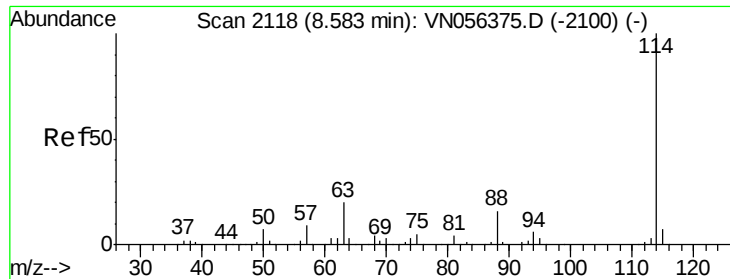
67 55.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

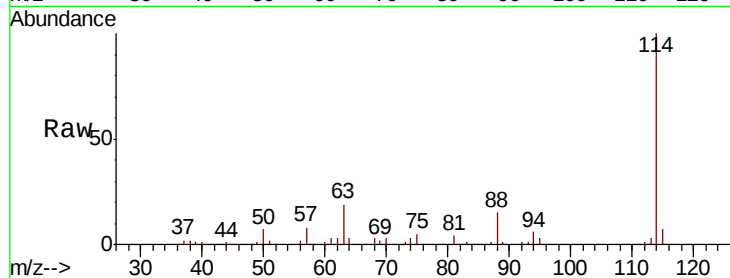




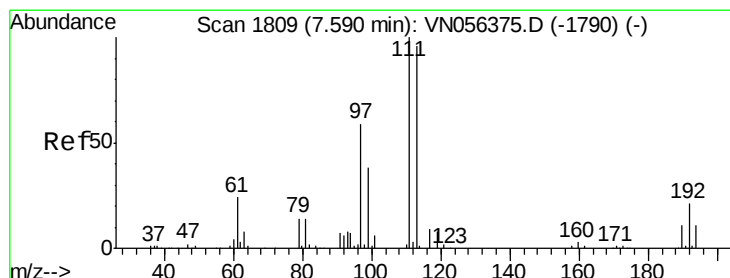
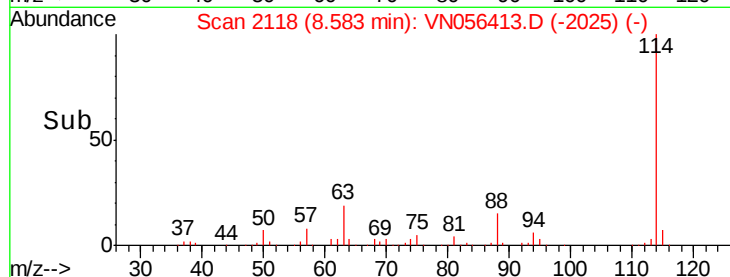
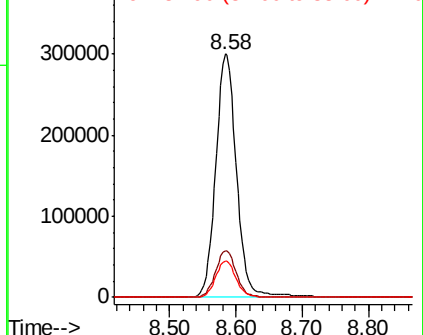
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	15.1	0.0	31.4

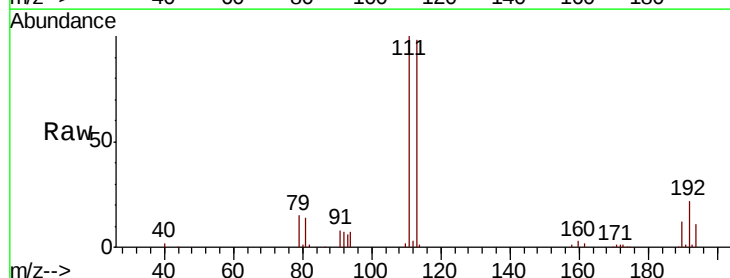


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

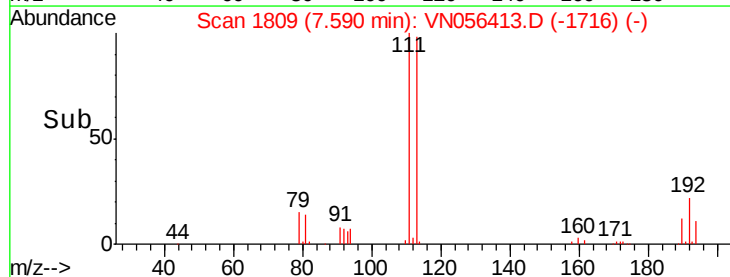
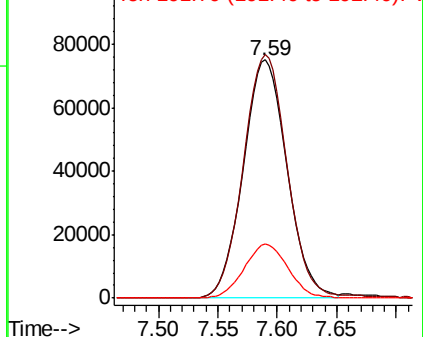


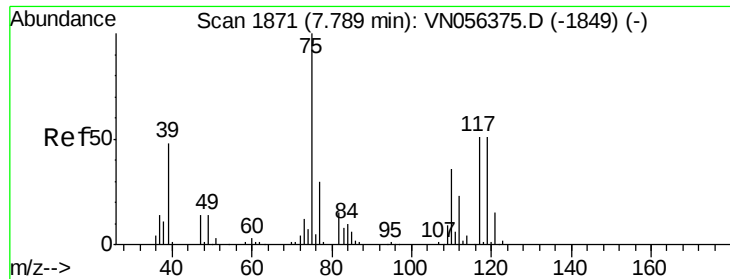
#35
 Dibromofluoromethane
 Concen: 47.086 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	22.6	17.7	26.5



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

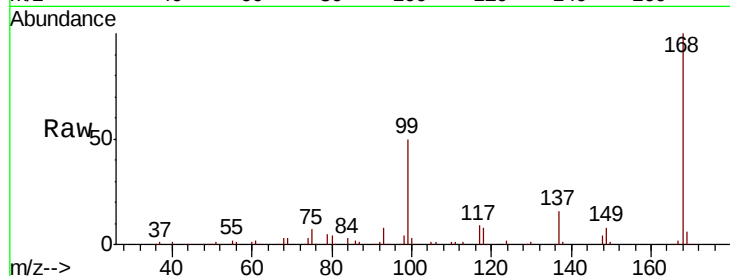




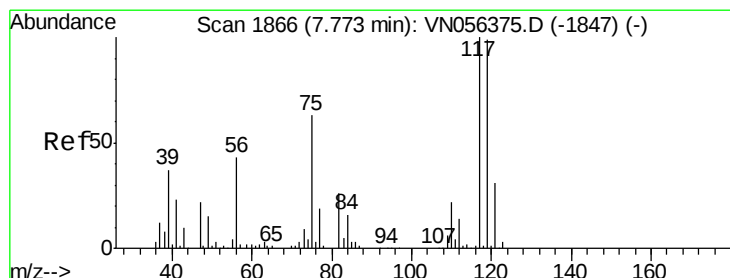
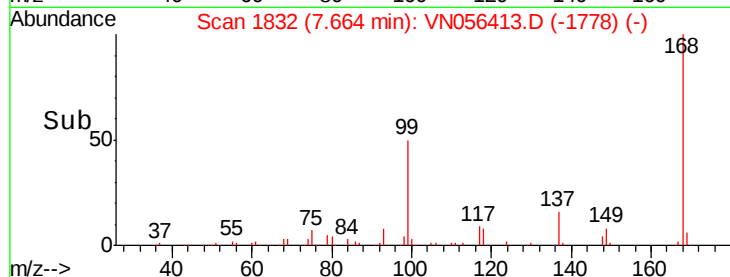
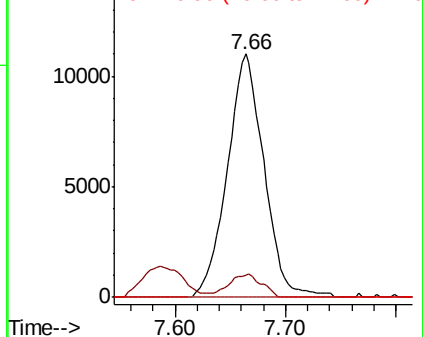
#36
 1,1-Dichloropropene
 Concen: 4.421 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	24.6	36.8#

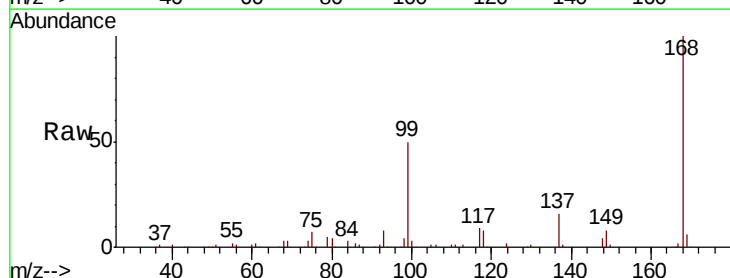


Abundance Ion 74.90 (74.60 to 75.60): VN056413.D (-1778) (-)

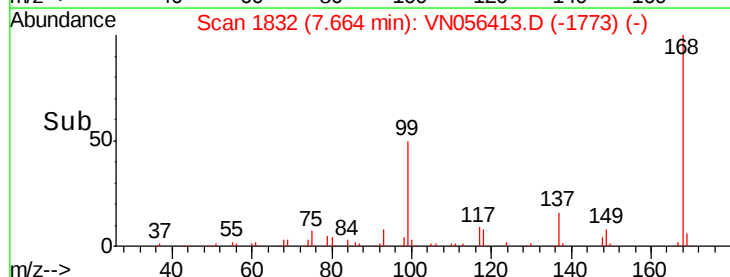
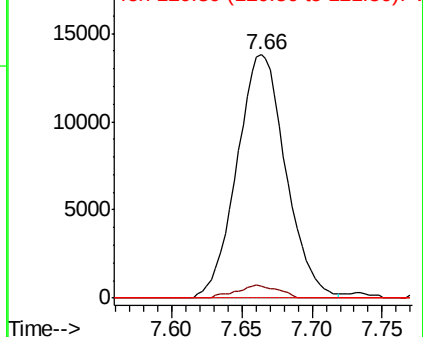


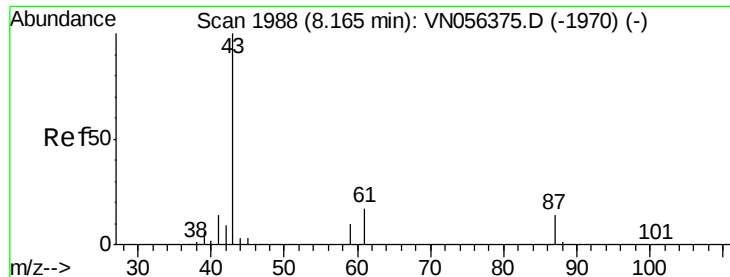
#38
 Carbon Tetrachloride
 Concen: 6.646 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	79.1	118.7#
121	0.0	24.8	37.2#



Abundance Ion 116.80 (116.50 to 117.50): VN056413.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 0.716 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

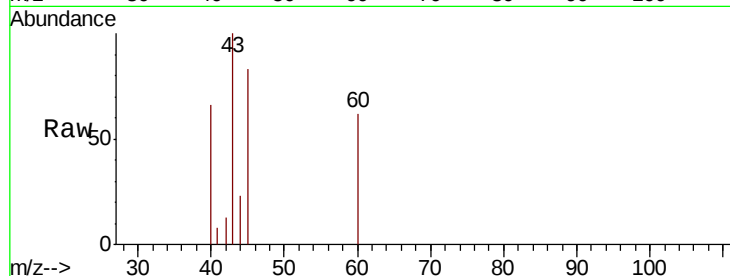
Tot Ion: 43 Resp: 6238

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

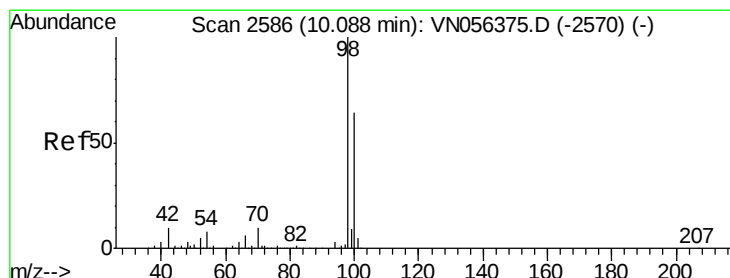
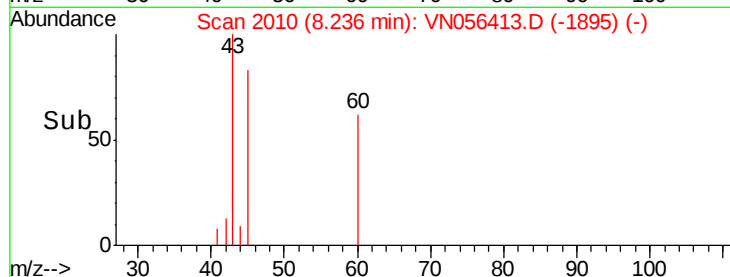
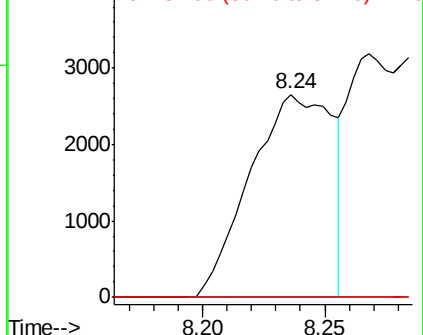
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.866 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056413.D

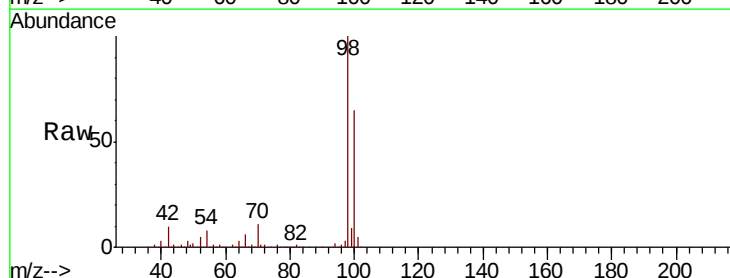
Acq: 21 Jun 2019 10:11

Tgt Ion: 98 Resp: 790746

Ion Ratio Lower Upper

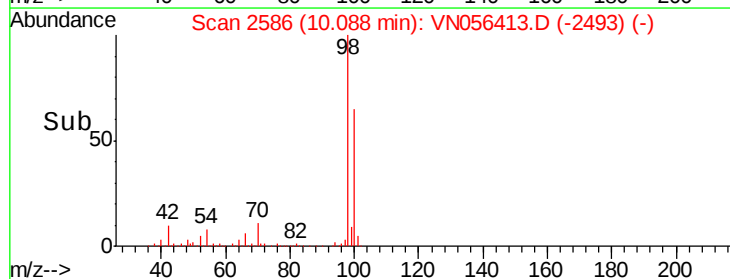
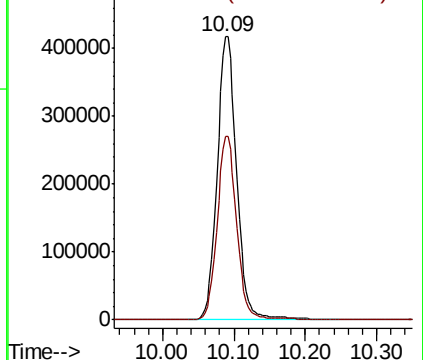
98 100

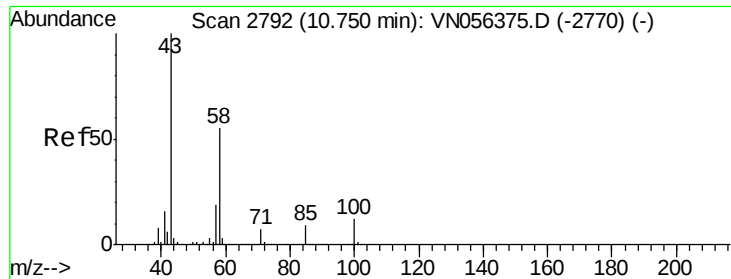
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

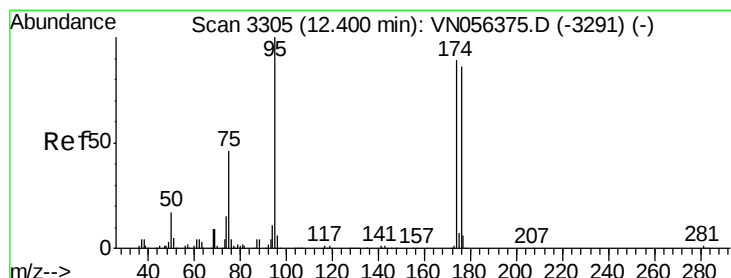
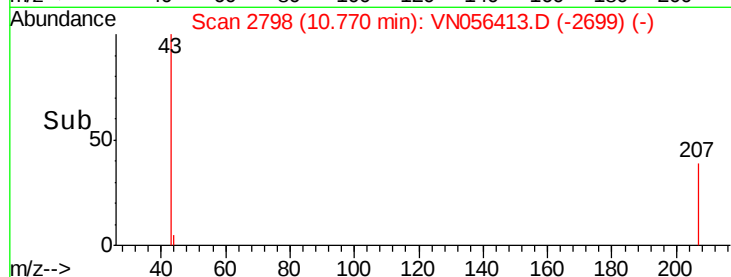
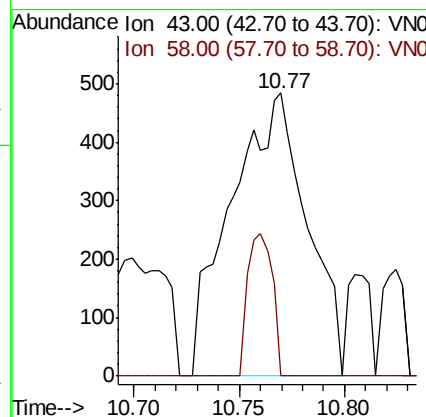
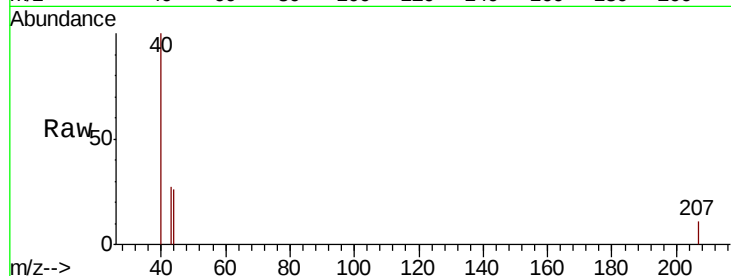




#59
2-Hexanone
Concen: 0.294 ug/l
RT: 10.77 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

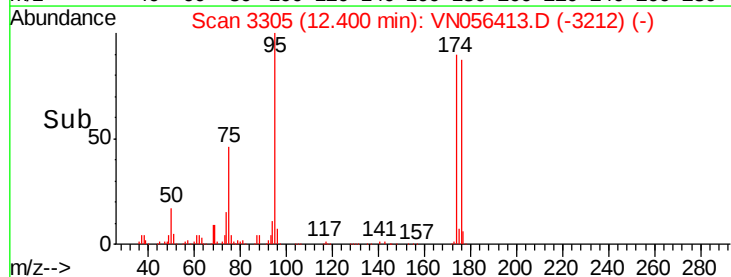
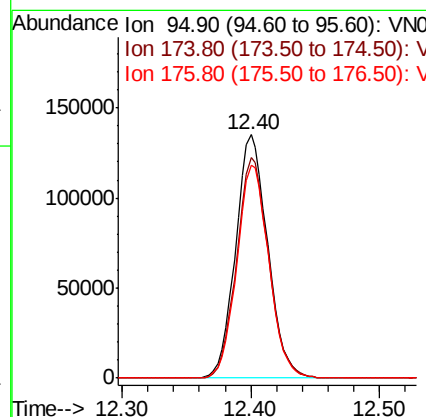
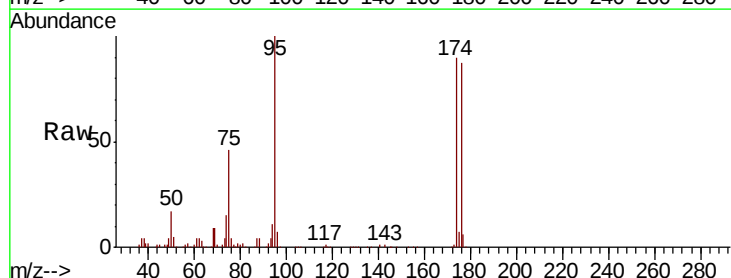
Instrument :
MSVOA_N
ClientSampled :
VN0621MBL01

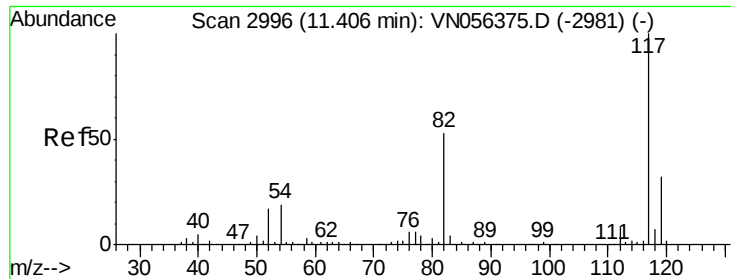
Tot Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
58 16.3 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 44.080 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

Tgt Ion: 95 Resp: 233012
Ion Ratio Lower Upper
95 100
174 90.6 0.0 179.4
176 87.5 0.0 173.4

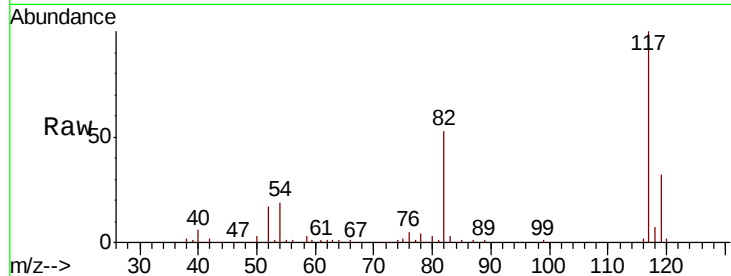




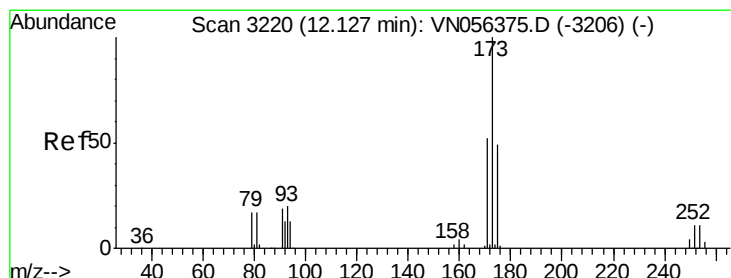
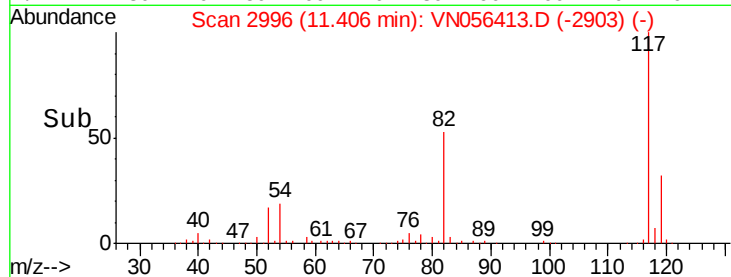
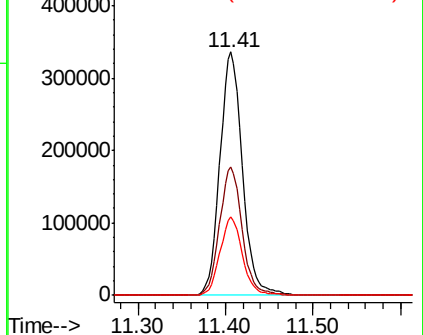
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBL01

Tot Ion:117 Resp: 600542
Ion Ratio Lower Upper
117 100
82 52.9 42.0 63.0
119 32.0 25.3 37.9

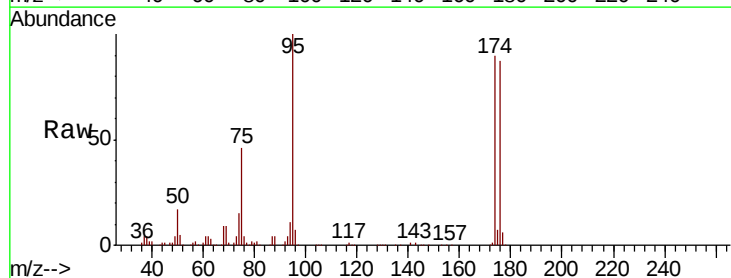


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

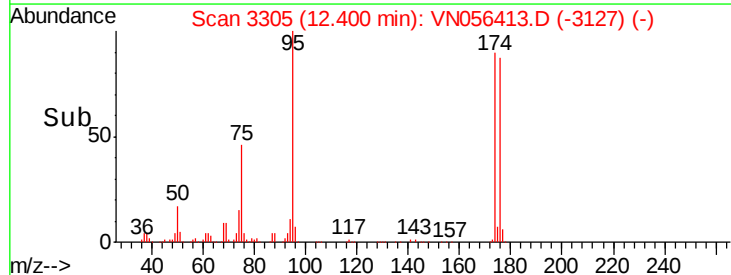
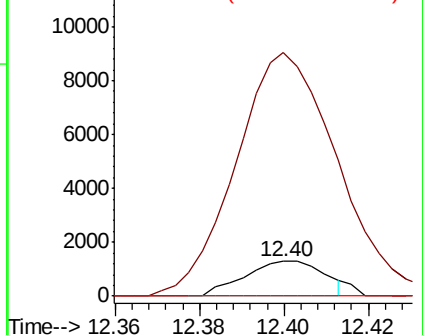


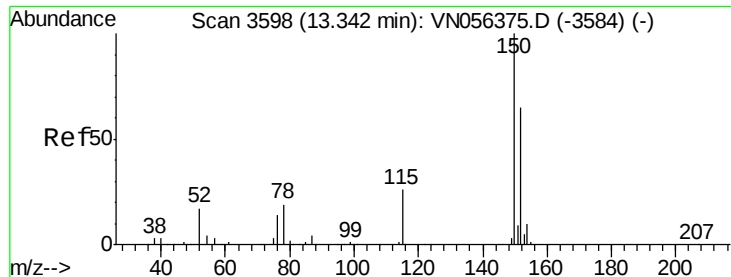
#71
Bromoform
Concen: 3.626 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056413.D
Acq: 21 Jun 2019 10:11

Tgt Ion:173 Resp: 1698
Ion Ratio Lower Upper
173 100
175 780.6 24.4 73.4#
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: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

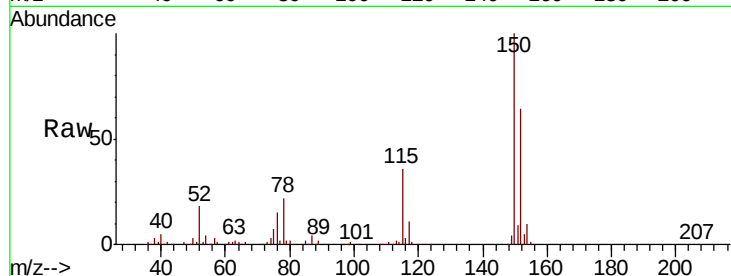
Tot Ion:152 Resp: 161626

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.4

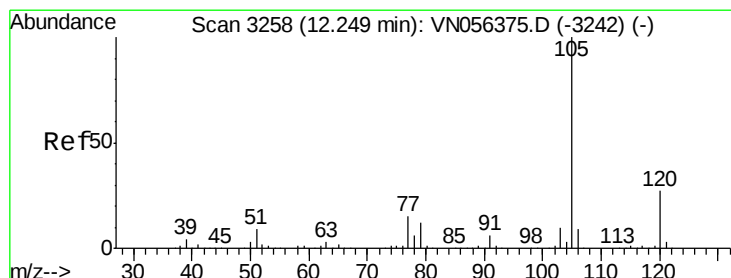
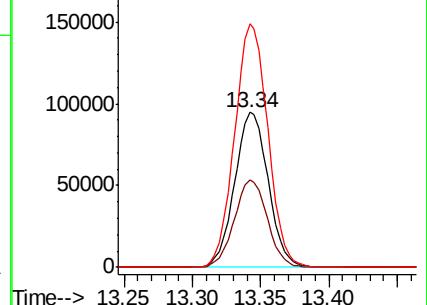
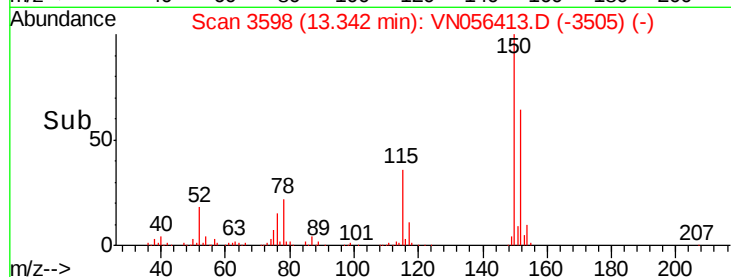
150 155.7 0.0 348.4



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: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN056413.D

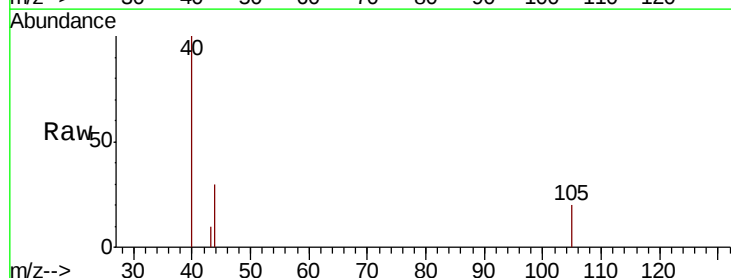
Acq: 21 Jun 2019 10:11

Tgt Ion:105 Resp: 511

Ion Ratio Lower Upper

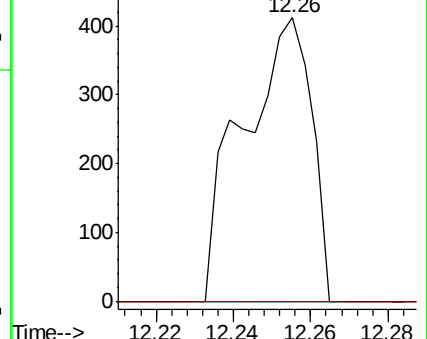
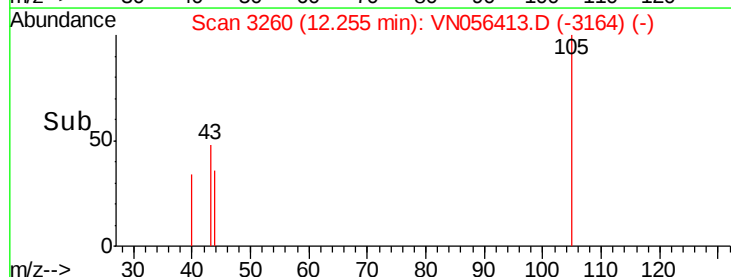
105 100

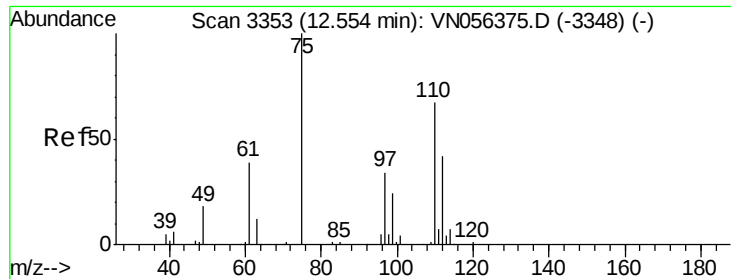
120 0.0 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 32.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

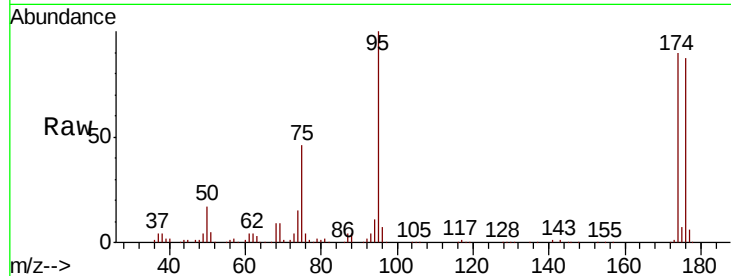
VN0621MBL01

Tot Ion: 75 Resp: 108194

Ion Ratio Lower Upper

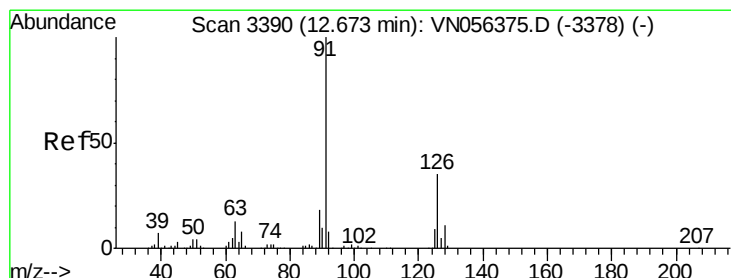
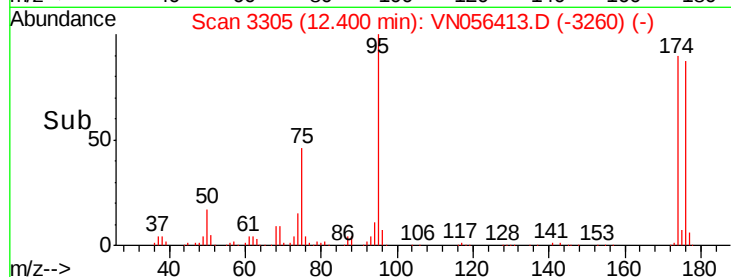
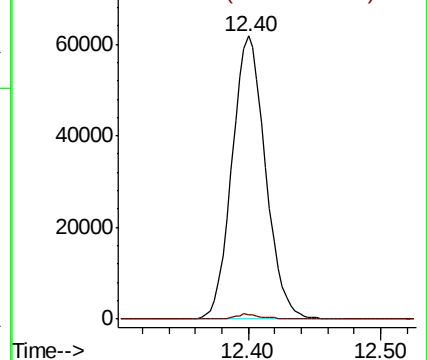
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056413.D

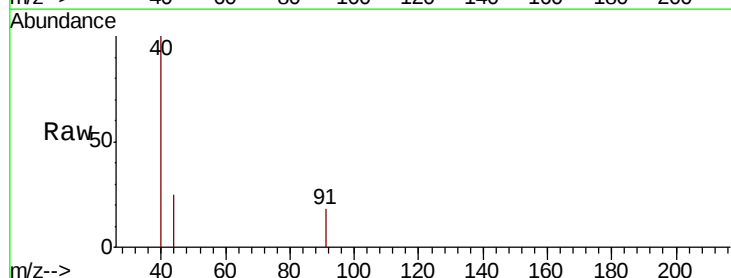
Acq: 21 Jun 2019 10:11

Tgt Ion: 91 Resp: 498

Ion Ratio Lower Upper

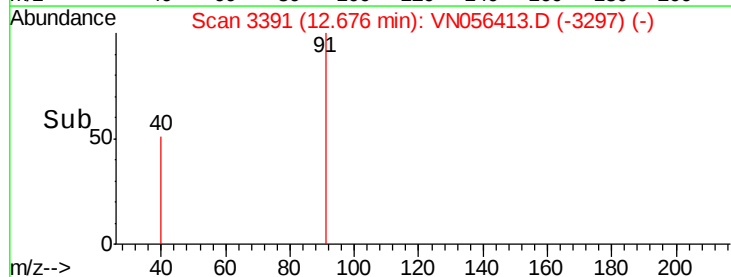
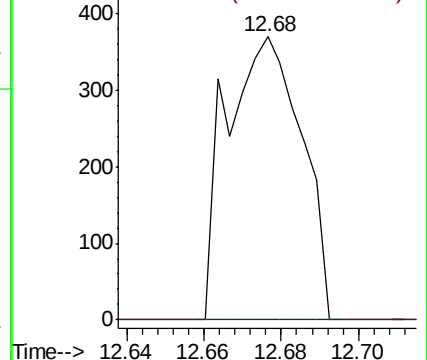
91 100

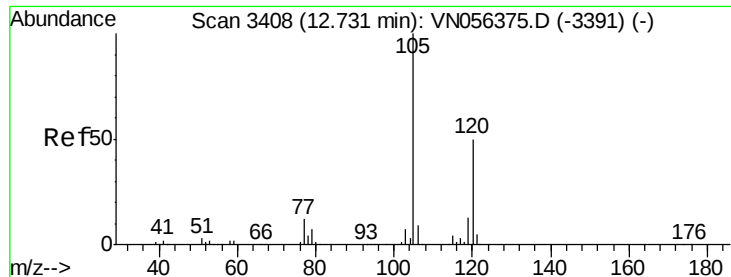
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

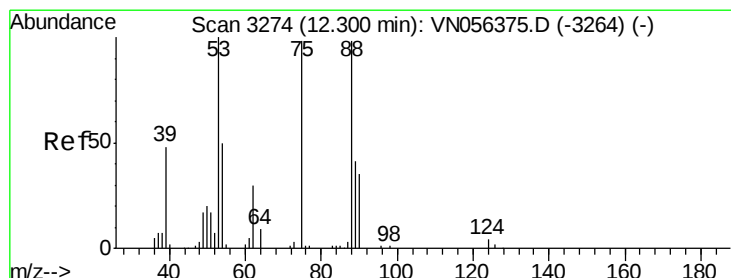
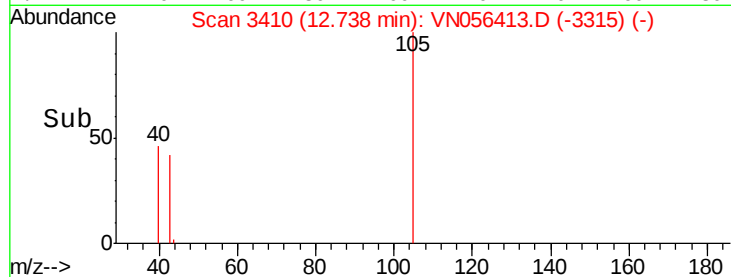
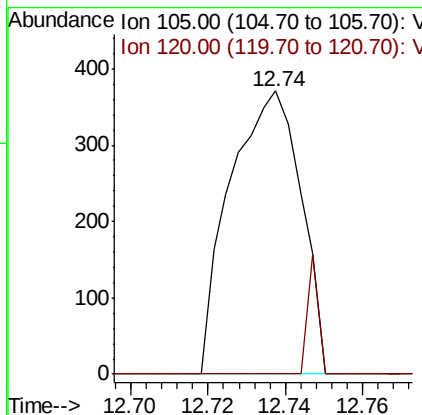
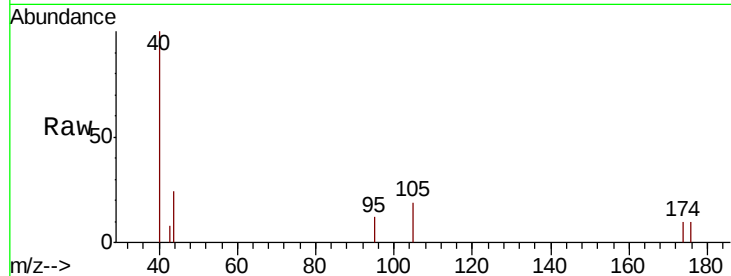




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.01 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

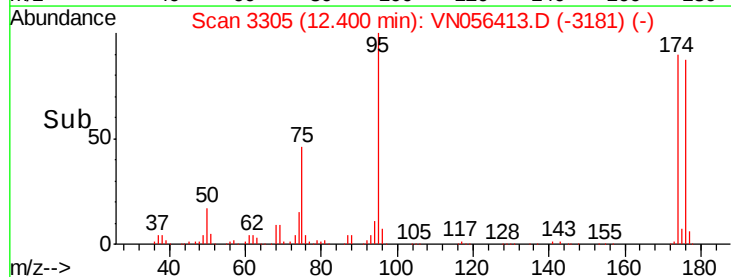
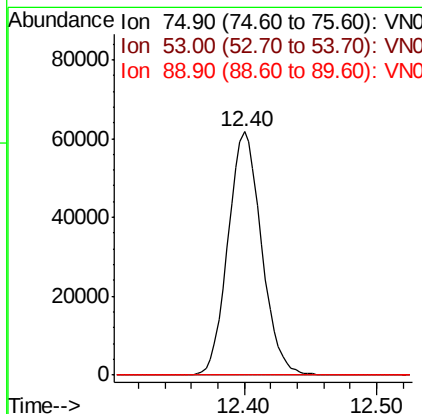
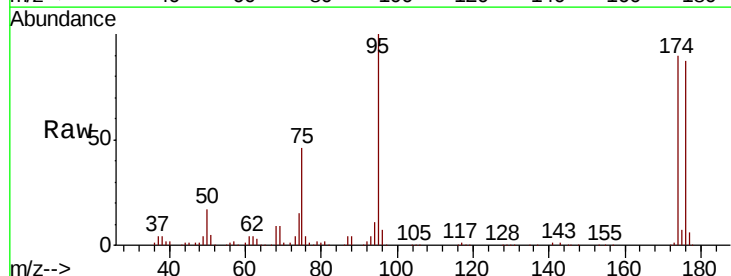
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

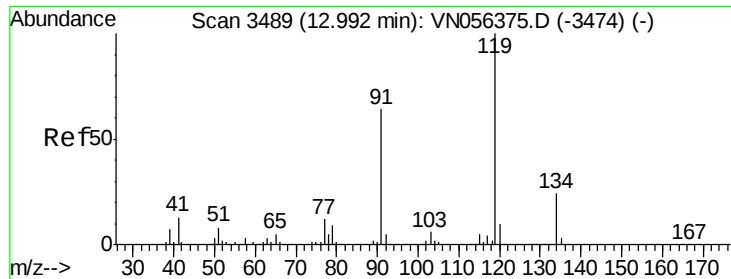
Tot Ion:105 Resp: 472
 Ion Ratio Lower Upper
 105 100
 120 6.4 24.8 74.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.741 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Tgt Ion: 75 Resp: 108194
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 35.0 52.6#

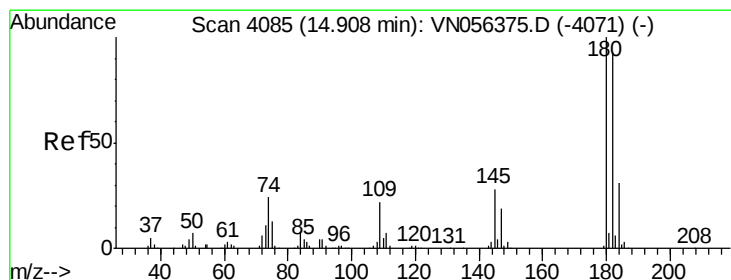
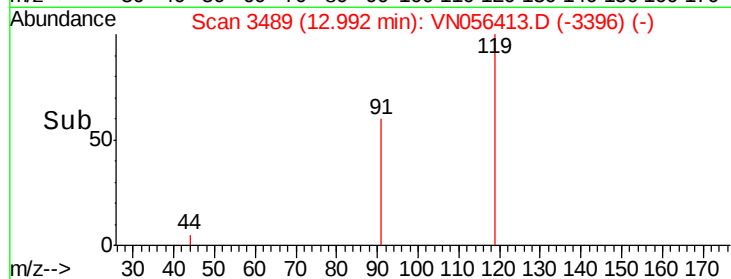
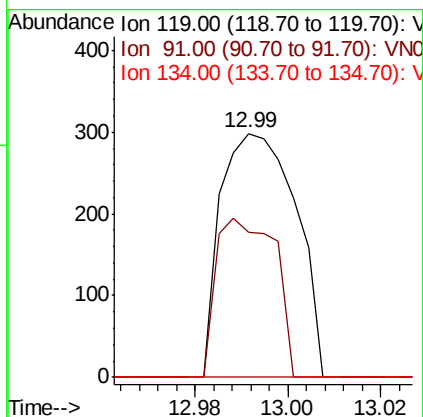
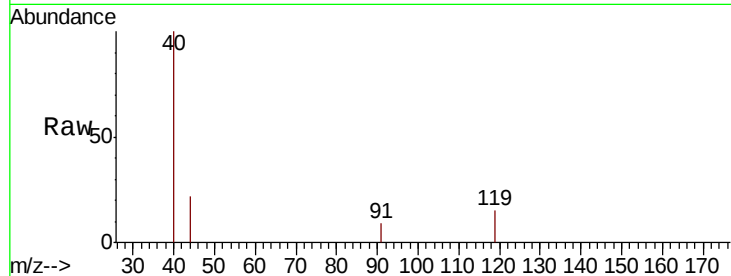




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

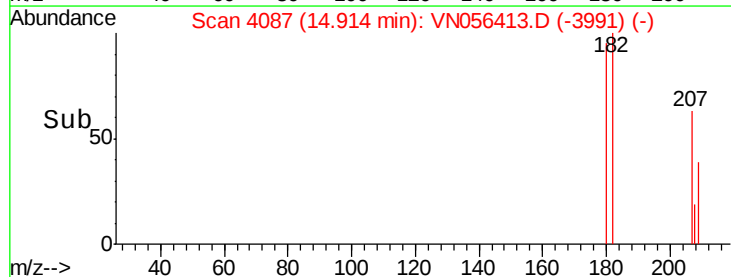
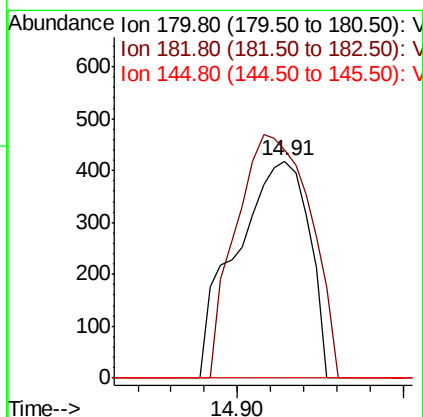
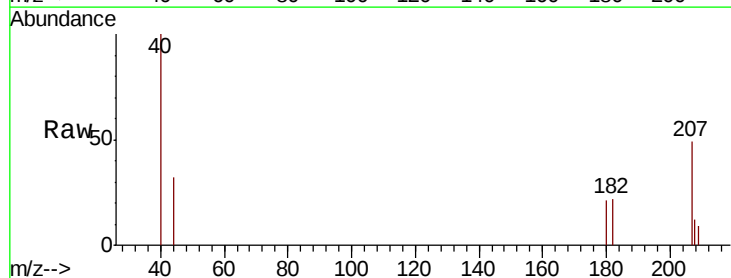
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

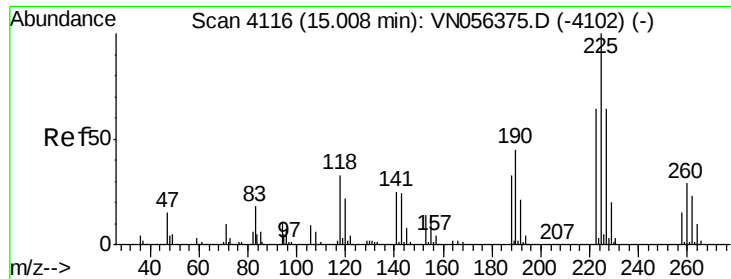
Tot Ion:119 Resp: 335
 Ion Ratio Lower Upper
 119 100
 91 51.3 31.6 94.7
 134 0.0 13.2 39.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.814 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Tgt Ion:180 Resp: 638
 Ion Ratio Lower Upper
 180 100
 182 114.6 46.9 140.6
 145 0.0 14.4 43.0#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBL01

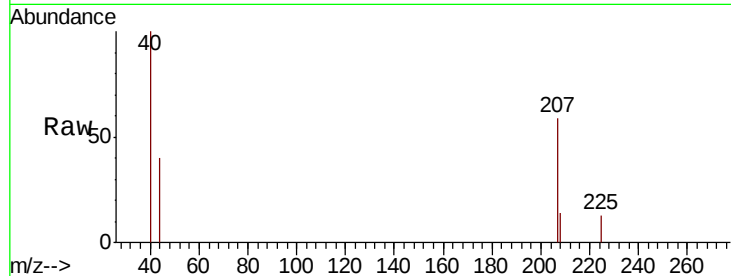
Tot Ion:225 Resp: 265

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.3#

227 0.0 32.1 96.3#



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

15.01

250

200

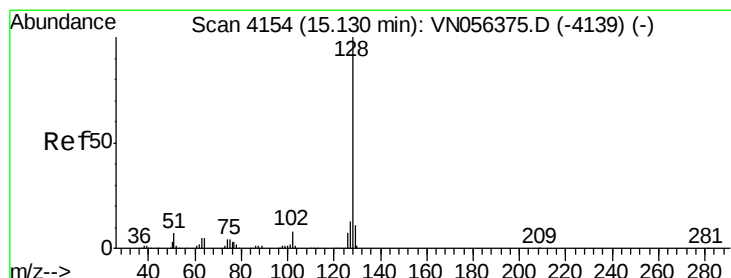
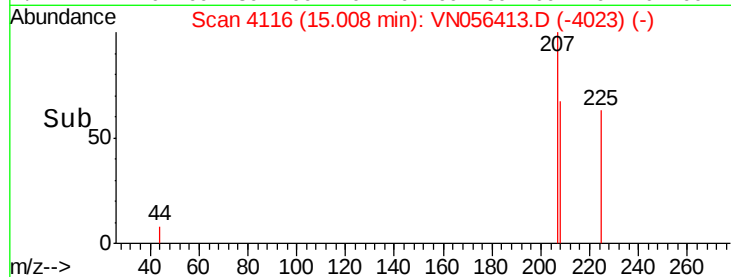
150

100

50

0

Time--> 14.98 15.00 15.02



#95

Naphthalene

Concen: 5.474 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056413.D

Acq: 21 Jun 2019 10:11

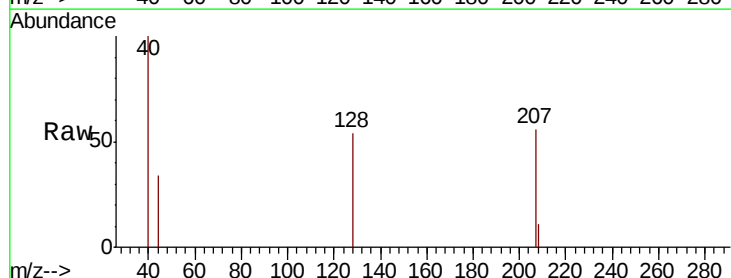
Tgt Ion:128 Resp: 1895

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



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

15.13

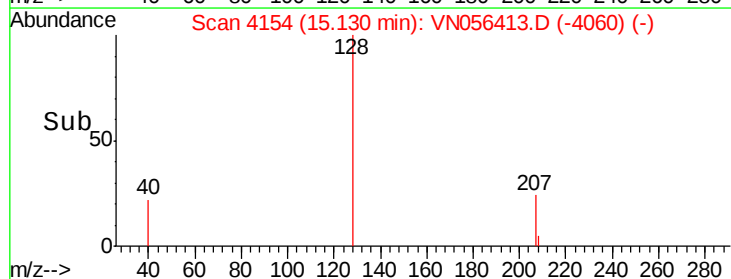
1500

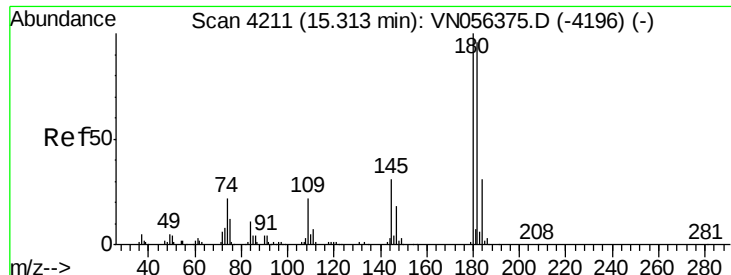
1000

500

0

Time--> 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 4.841 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056413.D
 Acq: 21 Jun 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.8
145	9.3	15.4	46.1

