

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056442.D
 Acq On : 24 Jun 2019 9:54
 Operator : JC/SP
 Sample : VN0624MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

Quant Time: Jun 25 01:17:22 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	395850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	670394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	222634	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	197745	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
50) Toluene-d8	10.09	98	811740	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	252023	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

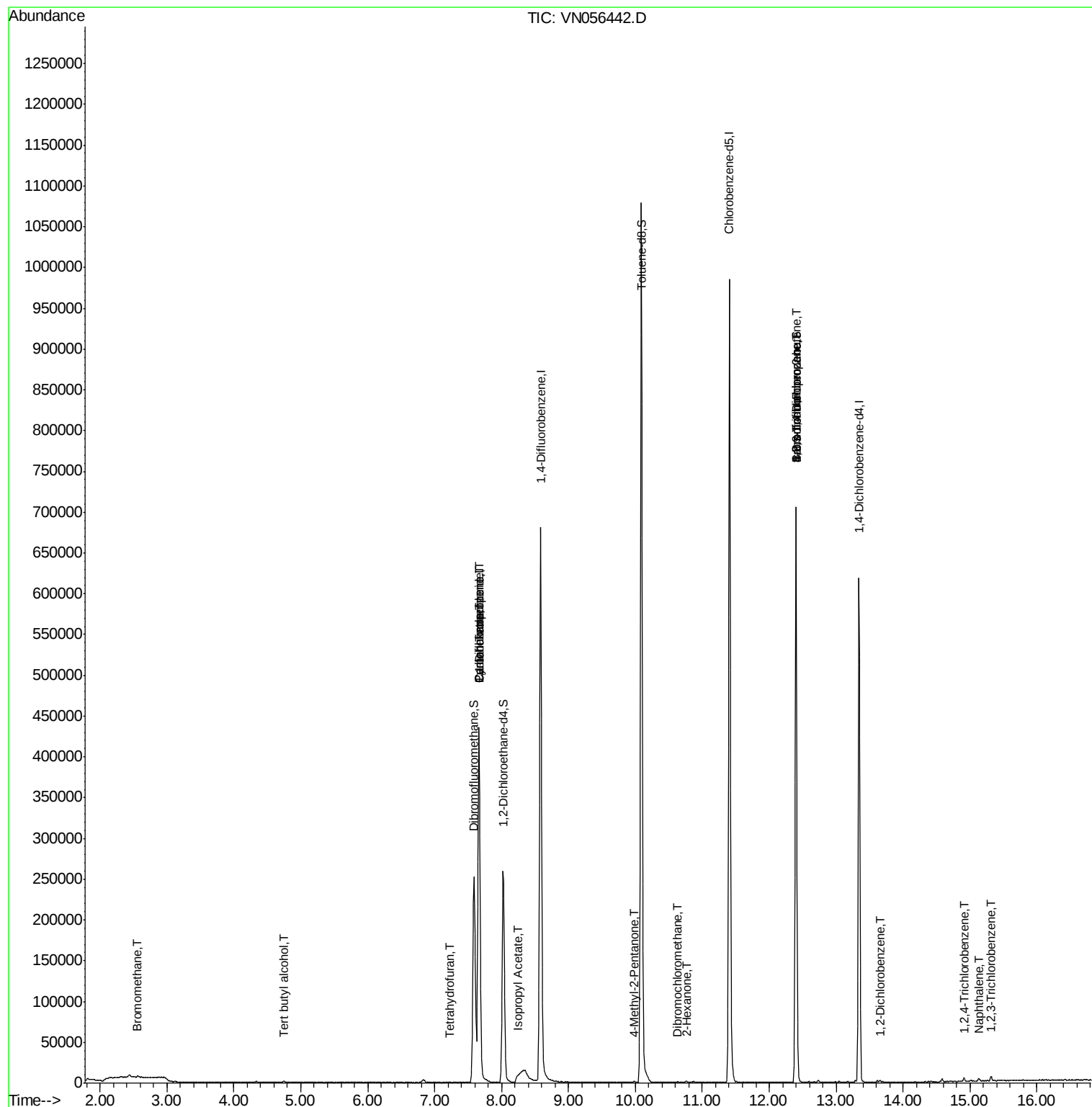
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	565	0.219	ug/l #	75
11) Tert butyl alcohol	4.75	59	357	0.483	ug/l #	74
18) Methyl Acetate	4.33	43	3142	Below Cal	#	68
29) Tetrahydrofuran	7.22	42	496	0.279	ug/l #	48
31) Cyclohexane	7.66	56	6355	0.938	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25158	4.264	ug/l #	44
38) Carbon Tetrachloride	7.66	117	34452	6.677	ug/l #	15
43) Isopropyl Acetate	8.24	43	6090	0.681	ug/l #	54
51) 4-Methyl-2-Pentanone	9.98	43	1916	0.332	ug/l #	60
59) 2-Hexanone	10.76	43	1915	0.451	ug/l	66
60) Dibromochloromethane	10.63	129	30	2.388	ug/l #	10
71) Bromoform	12.40	173	1838	3.643	ug/l #	1
73) Isopropylbenzene	12.24	105	859	Below Cal		90
76) 1,2,3-Trichloropropane	12.40	75	117299	31.850	ug/l #	100
79) 2-Chlorotoluene	12.67	91	901	Below Cal		77
80) 1,3,5-Trimethylbenzene	12.73	105	986	Below Cal		78
81) trans-1,4-Dichloro-2-buten	12.40	75	117299	113.200	ug/l #	8
83) tert-Butylbenzene	12.99	119	780	Below Cal	#	80
91) 1,2-Dichlorobenzene	13.66	146	1267	0.212	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	1841	6.140	ug/l	97
94) Hexachlorobutadiene	15.01	225	440	Below Cal		85
95) Naphthalene	15.14	128	4089	5.695	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	2598	5.215	ug/l	89

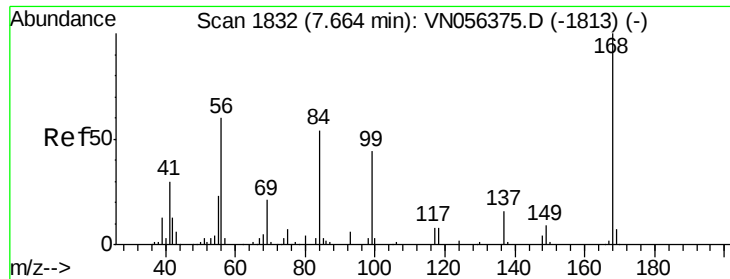
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062419\
Data File : VN056442.D
Acq On : 24 Jun 2019 9:54
Operator : JC/SP
Sample : VN0624MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

Quant Time: Jun 25 01:17:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
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: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

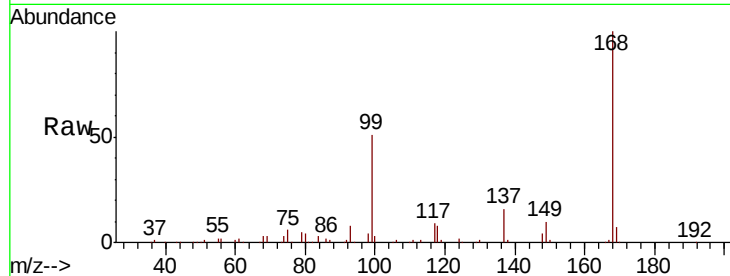
VN0624MBL01

Tot Ion:168 Resp: 395850

Ion Ratio Lower Upper

168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.66

150000

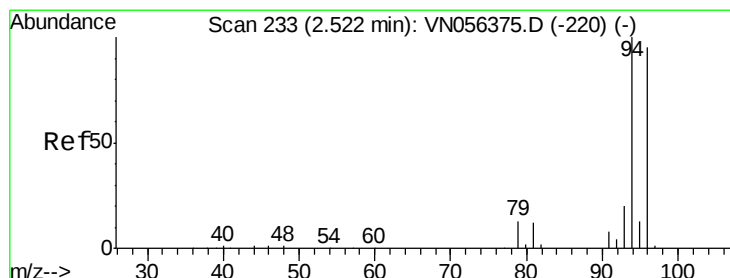
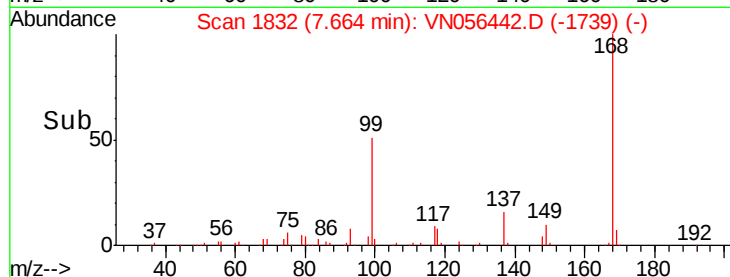
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.219 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.04 min

Lab File: VN056442.D

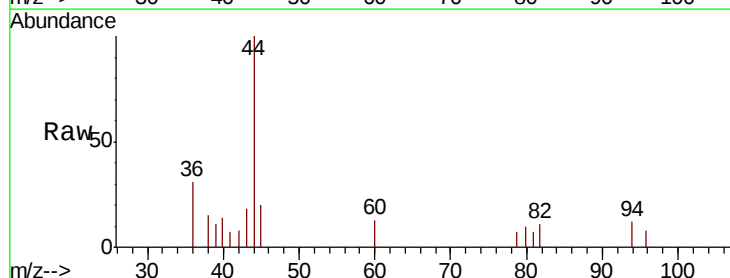
Acq: 24 Jun 2019 9:54

Tgt Ion: 94 Resp: 565

Ion Ratio Lower Upper

94 100

96 70.5 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VN056375.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN056375.D (-220) (-)

2.56

400

300

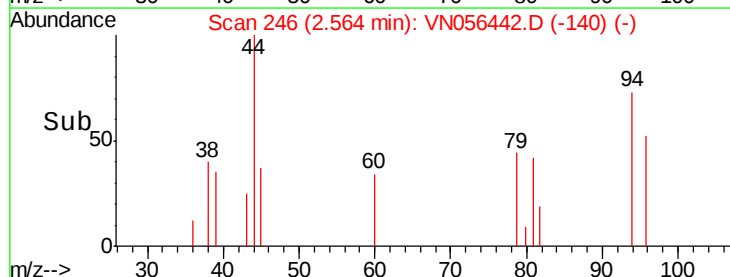
200

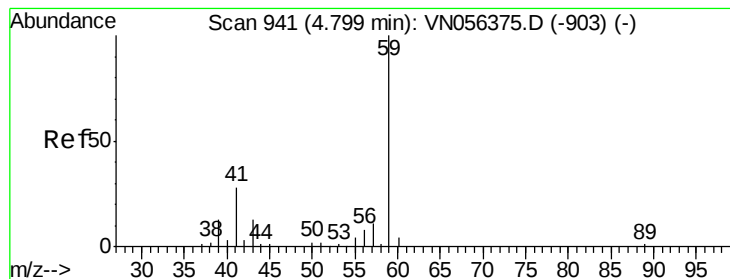
100

0

2.54 2.56 2.58 2.60

Time-->



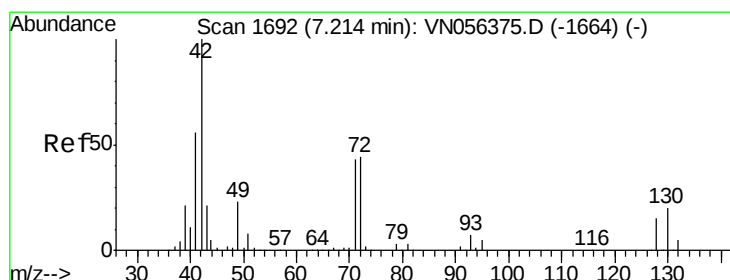
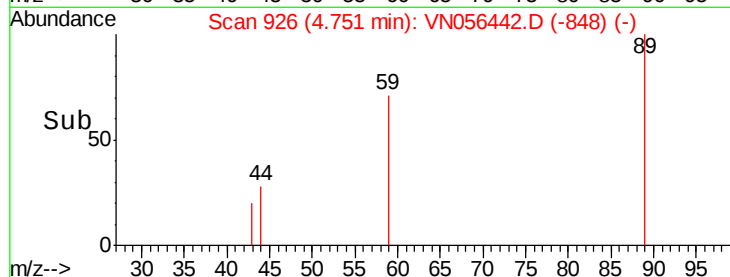
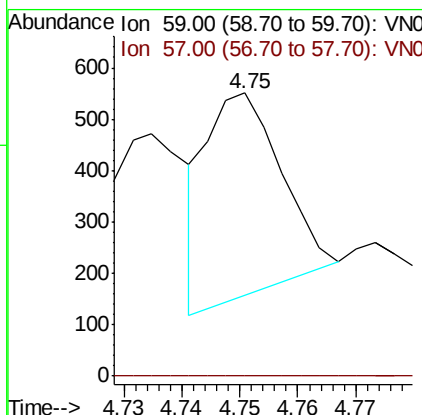
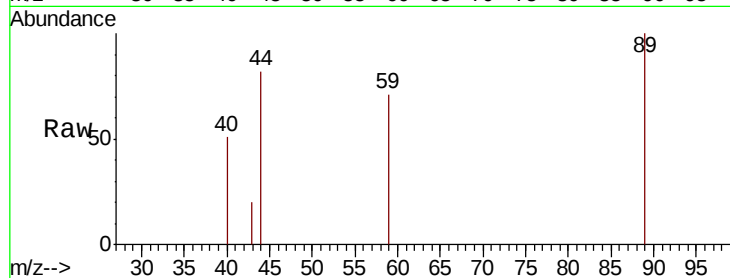


#11

Tert butvl alcohol
 Concen: 0.483 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.05 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

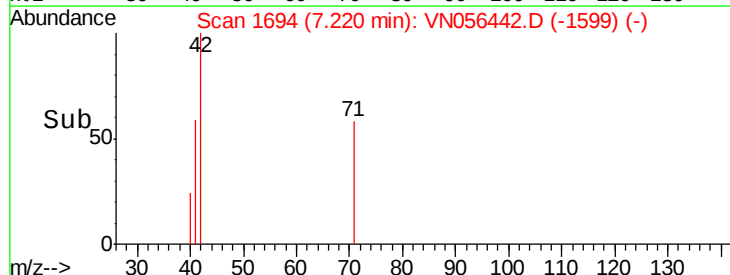
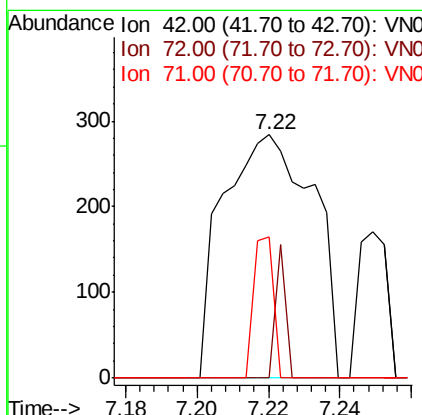
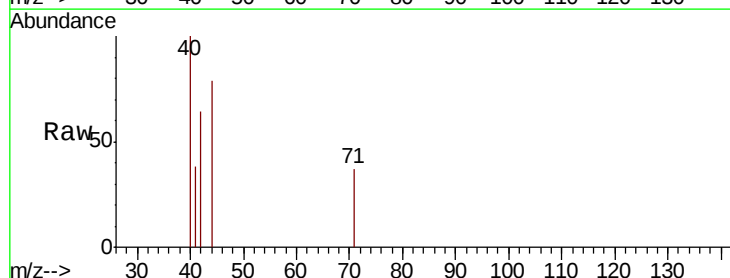
Tot Ion: 59 Resp: 357
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

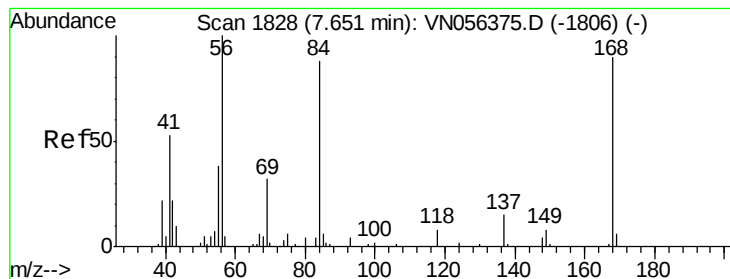


#29

Tetrahydrofuran
 Concen: 0.279 ug/l
 RT: 7.22 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion: 42 Resp: 496
 Ion Ratio Lower Upper
 42 100
 72 6.0 34.7 52.1#
 71 12.5 33.0 49.6#





#31

Cyclohexane

Concen: 0.938 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

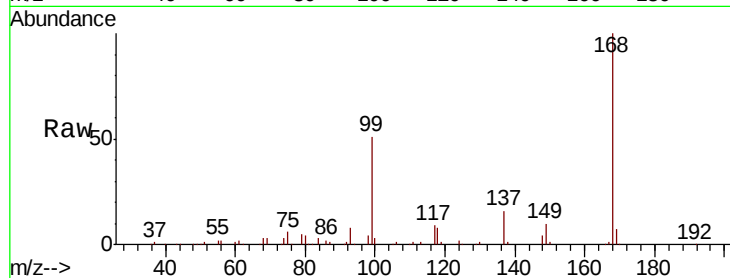
Tot Ion: 56 Resp: 6355

Ion Ratio Lower Upper

56 100

69 177.3 25.8 38.6#

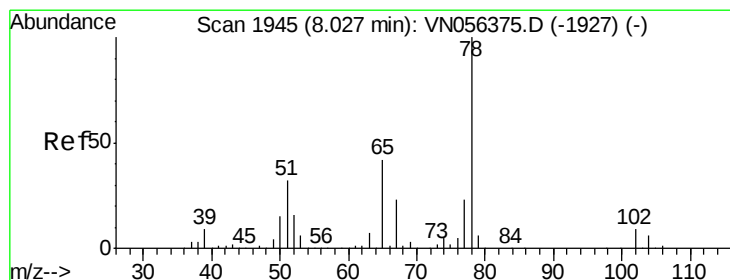
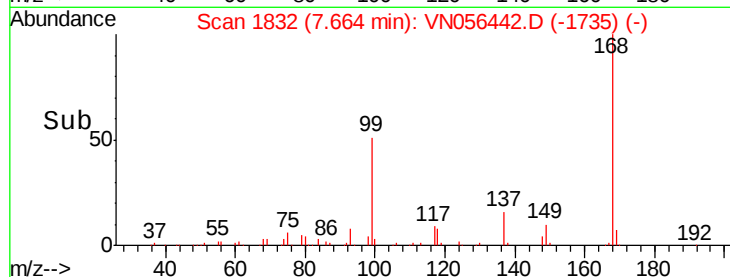
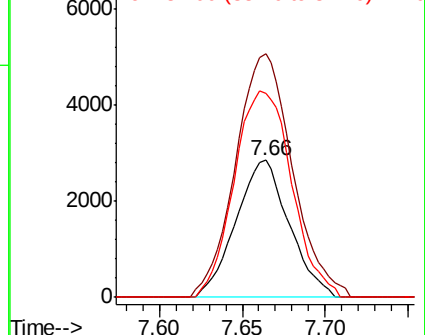
84 148.1 69.4 104.0#



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: 50.746 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056442.D

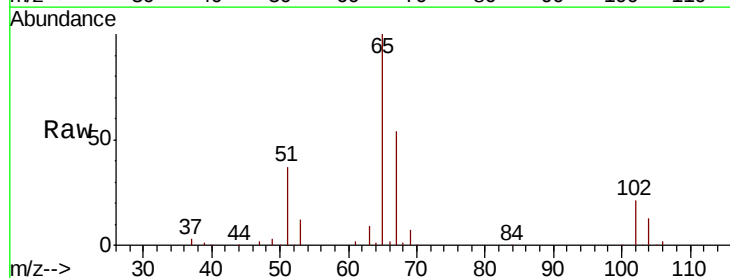
Acq: 24 Jun 2019 9:54

Tgt Ion: 65 Resp: 222634

Ion Ratio Lower Upper

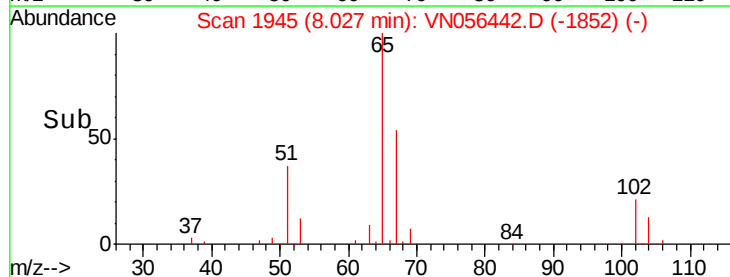
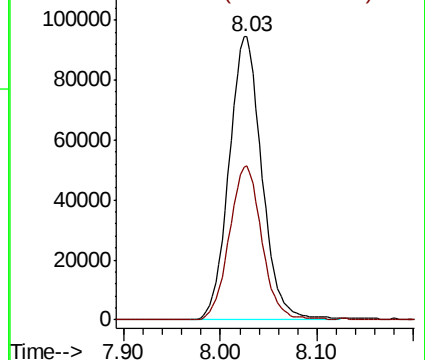
65 100

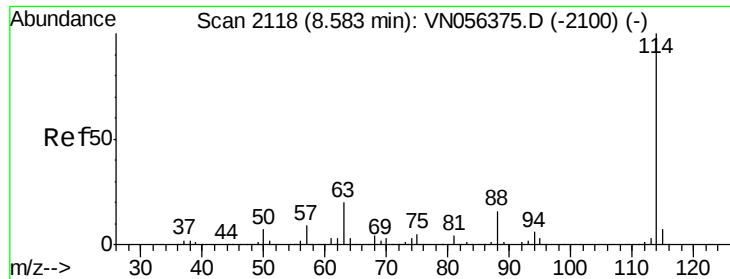
67 53.8 0.0 109.0



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: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

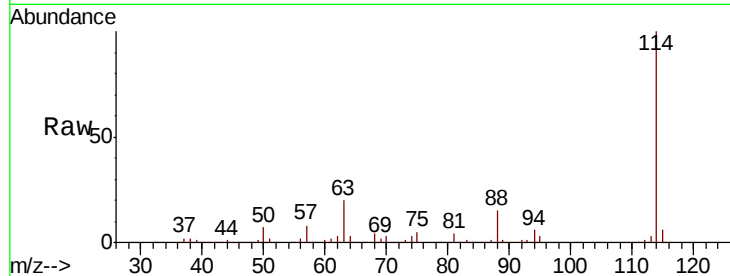
Tot Ion:114 Resp: 670394

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

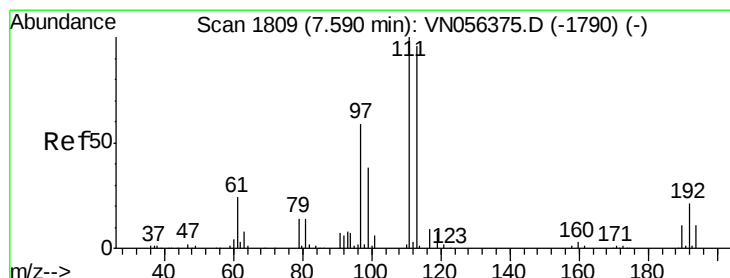
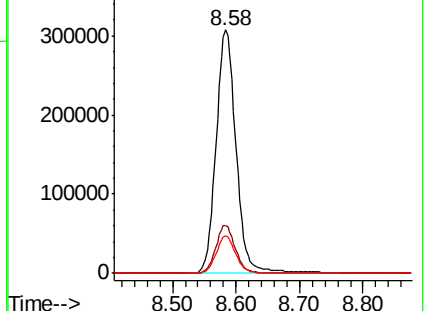
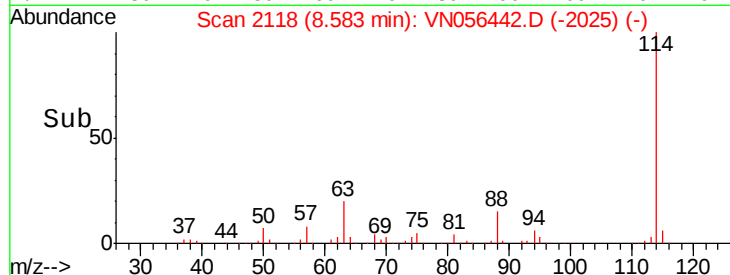
88 15.5 0.0 31.4



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: 47.283 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

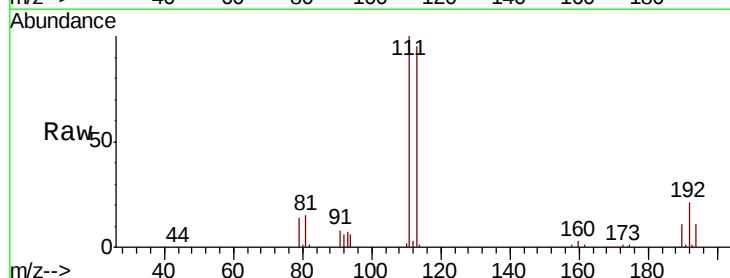
Tgt Ion:113 Resp: 197745

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

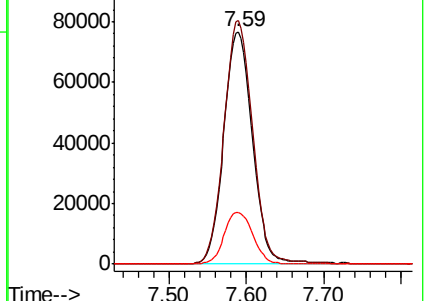
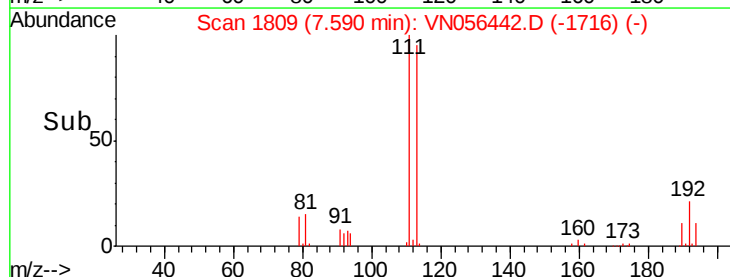
192 22.3 17.7 26.5

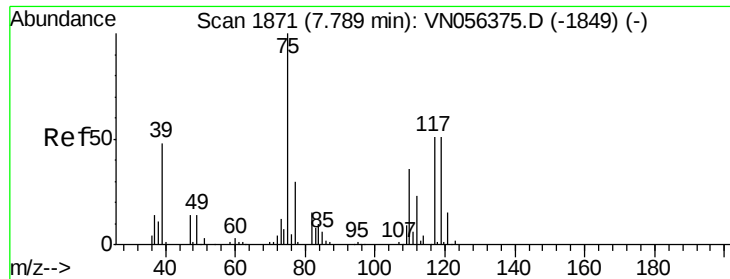


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

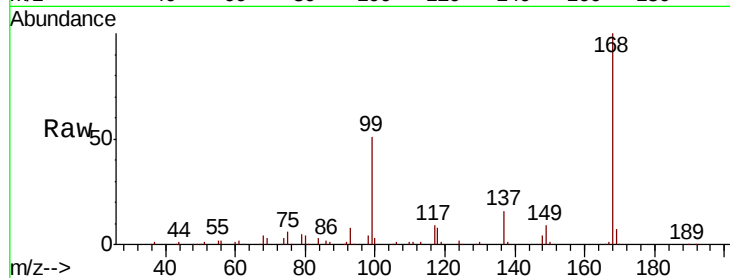




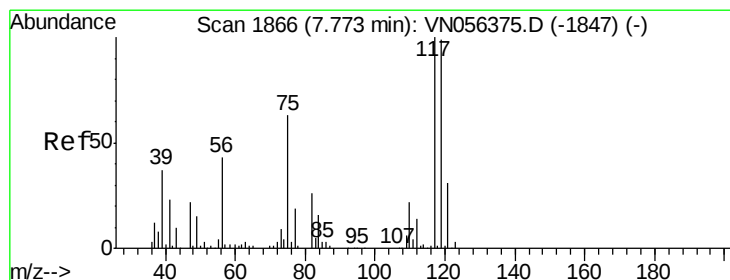
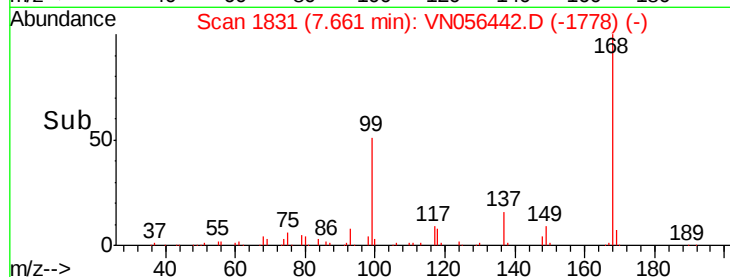
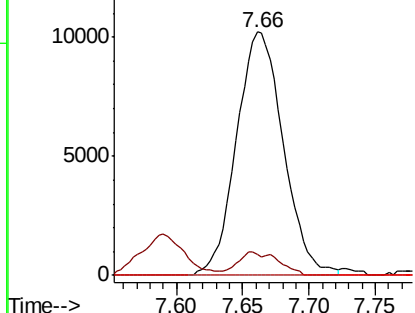
#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0624MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.4	18.1	54.3#
77	0.0	24.6	36.8#

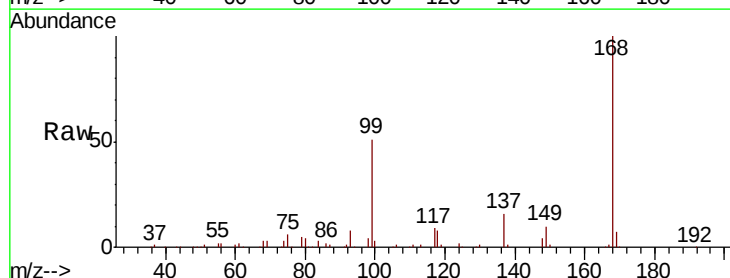


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

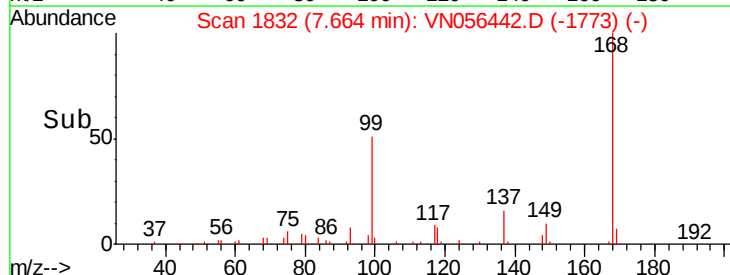
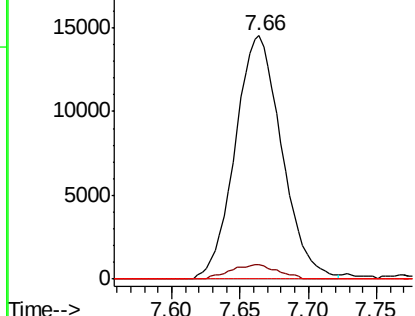


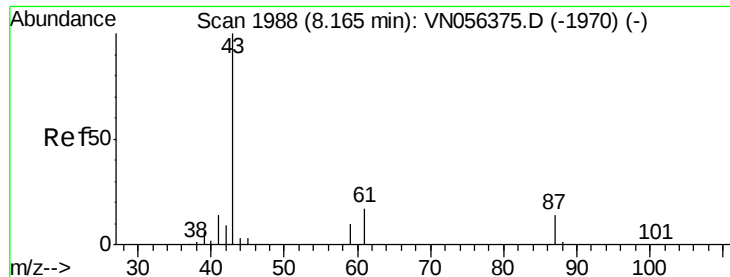
#38
 Carbon Tetrachloride
 Concen: 6.677 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.1	118.7#
121	0.0	24.8	37.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.681 ug/l

RT: 8.24 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampled :

VN0624MBL01

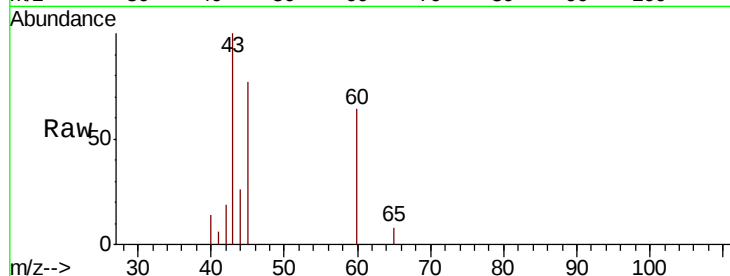
Tot Ion: 43 Resp: 6090

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

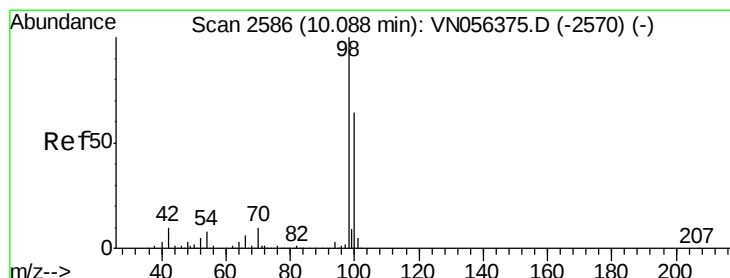
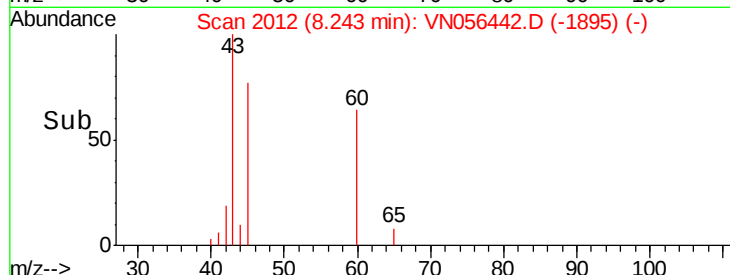
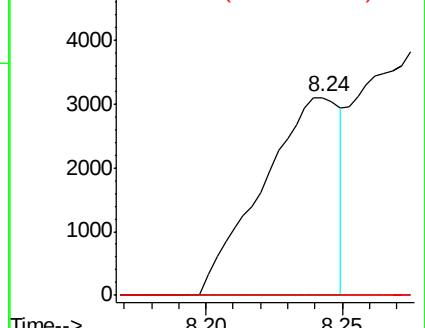
87 0.0 11.0 16.4#



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: 49.882 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056442.D

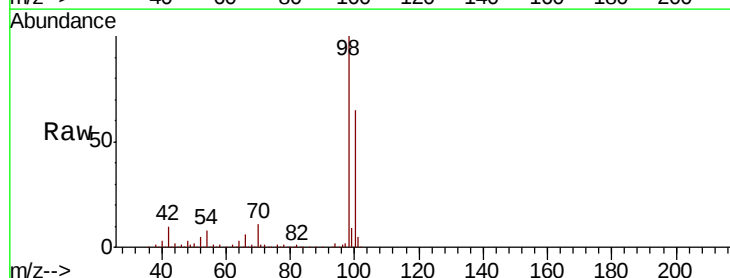
Acq: 24 Jun 2019 9:54

Tgt Ion: 98 Resp: 811740

Ion Ratio Lower Upper

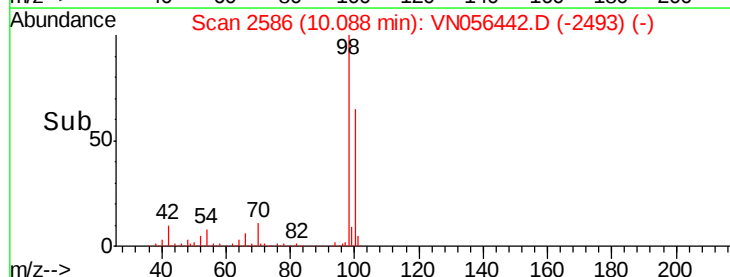
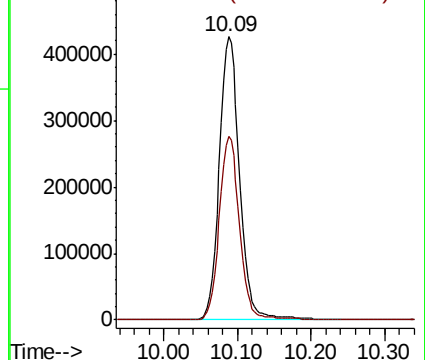
98 100

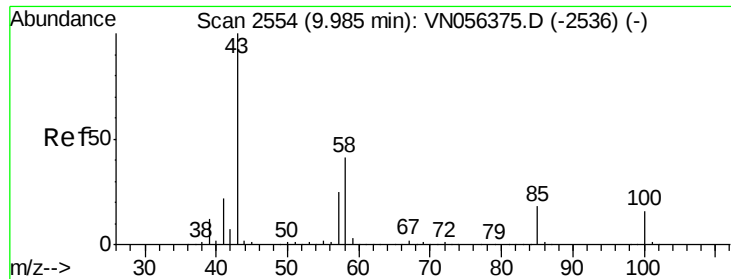
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.332 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

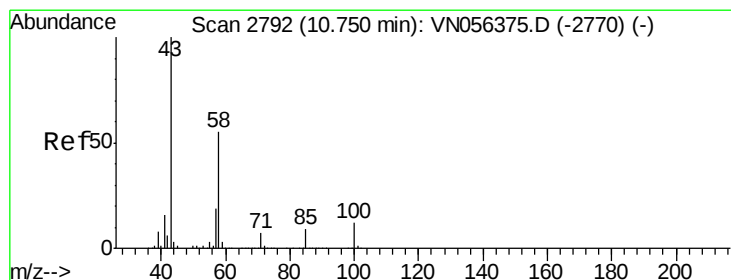
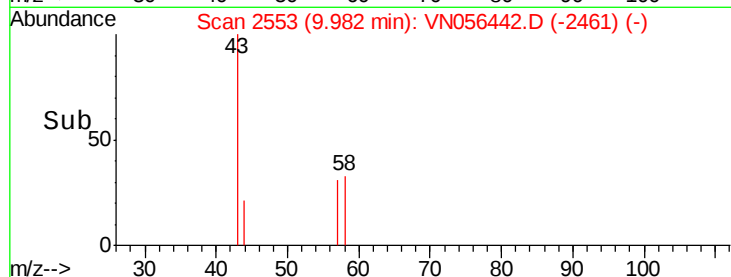
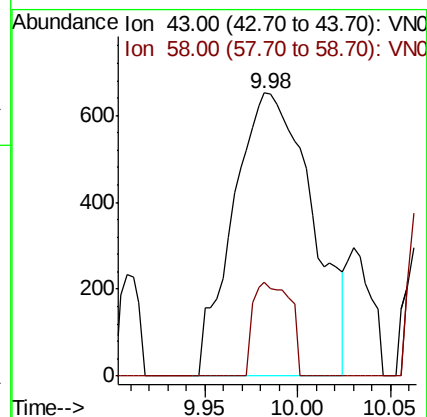
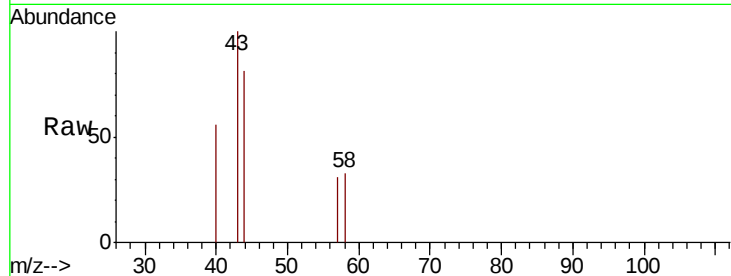
VN0624MBL01

Tot Ion: 43 Resp: 1916

Ion Ratio Lower Upper

43 100

58 15.4 31.8 47.8#



#59

2-Hexanone

Concen: 0.451 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN056442.D

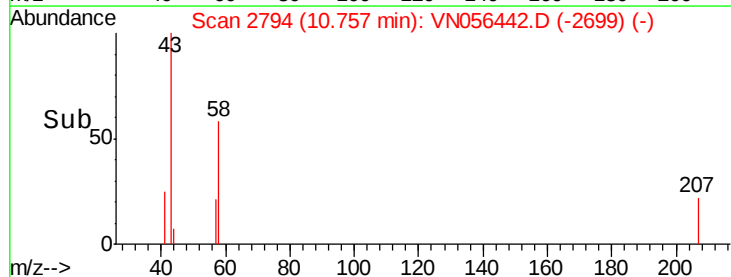
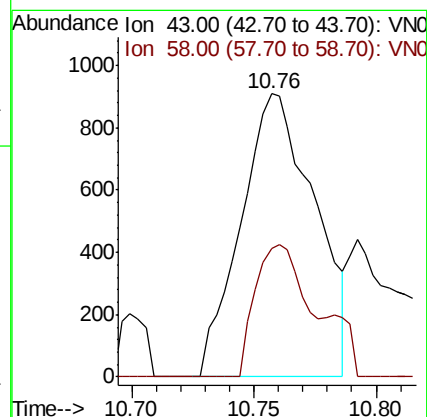
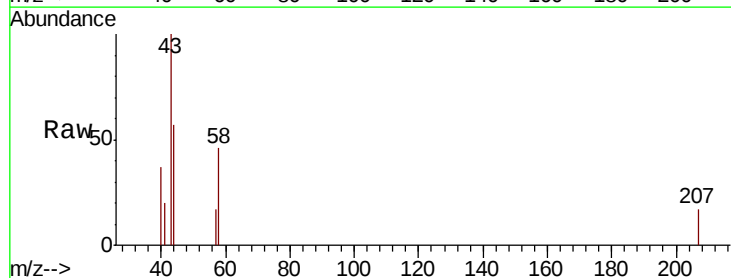
Acq: 24 Jun 2019 9:54

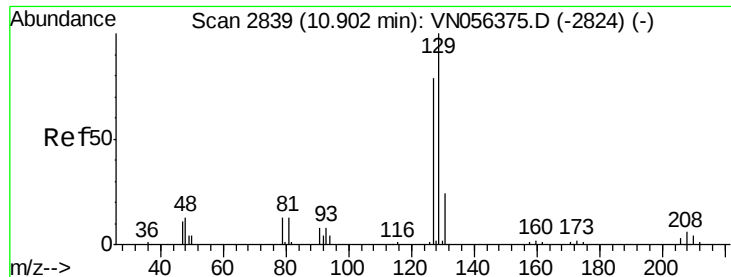
Tgt Ion: 43 Resp: 1915

Ion Ratio Lower Upper

43 100

58 30.8 27.8 83.4

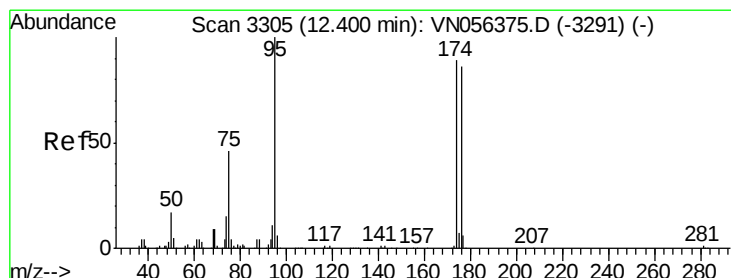
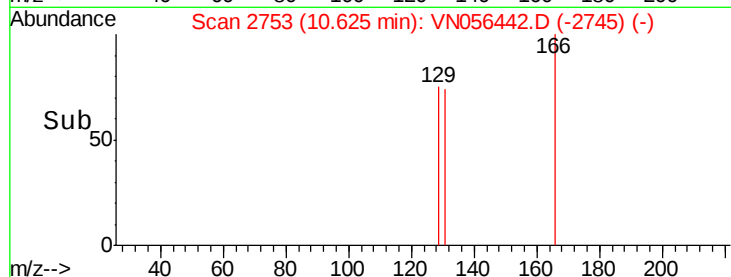
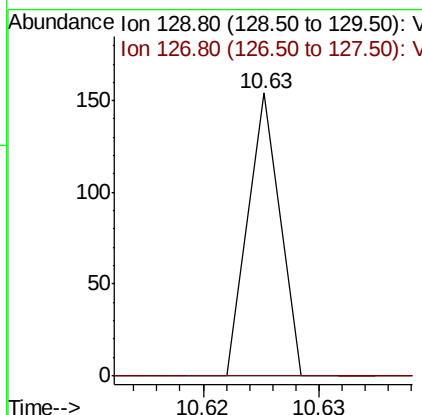
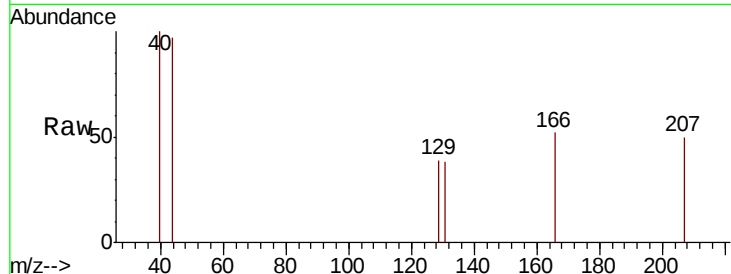




#60
Dibromochloromethane
Concen: 2.388 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.28 min
Lab File: VN056442.D
Acq: 24 Jun 2019 9:54

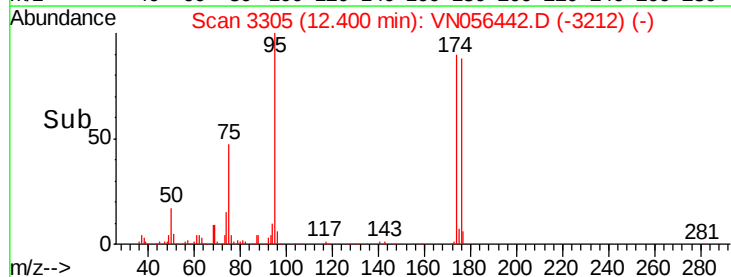
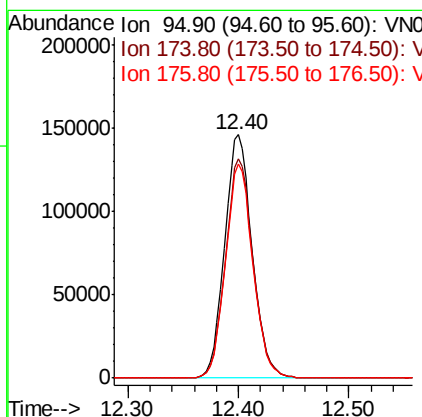
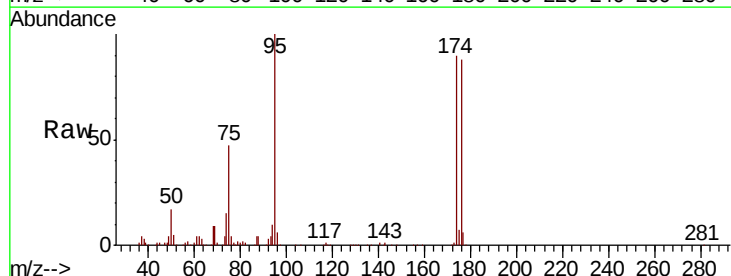
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

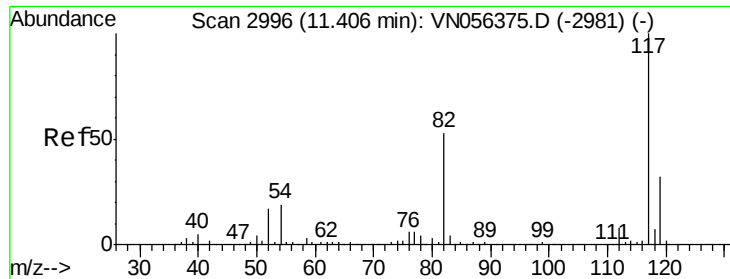
Tot Ion:129 Resp: 30
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 46.458 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056442.D
Acq: 24 Jun 2019 9:54

Tgt Ion: 95 Resp: 252023
Ion Ratio Lower Upper
95 100
174 90.4 0.0 179.4
176 87.9 0.0 173.4

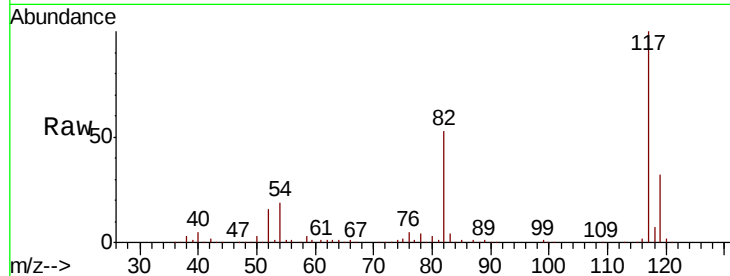




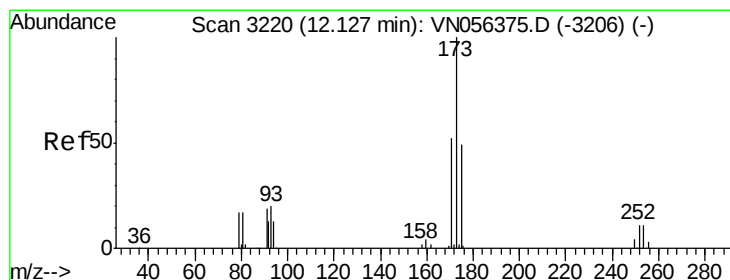
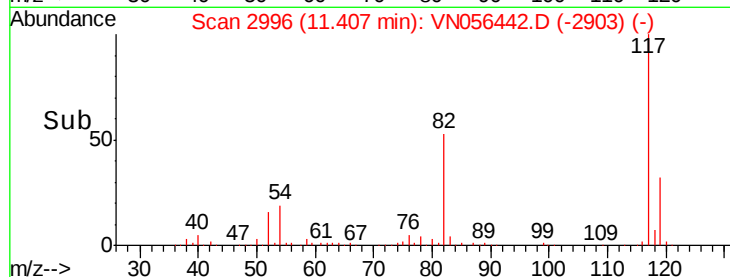
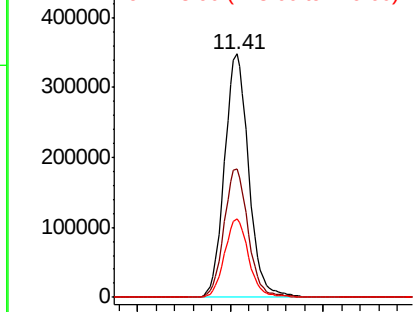
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056442.D
Acq: 24 Jun 2019 9:54

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

Tot Ion:117 Resp: 627864
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 32.0 25.3 37.9

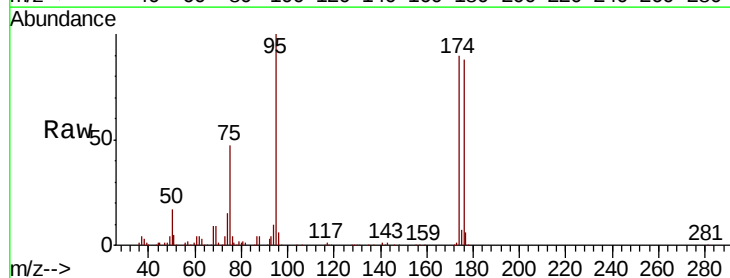


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

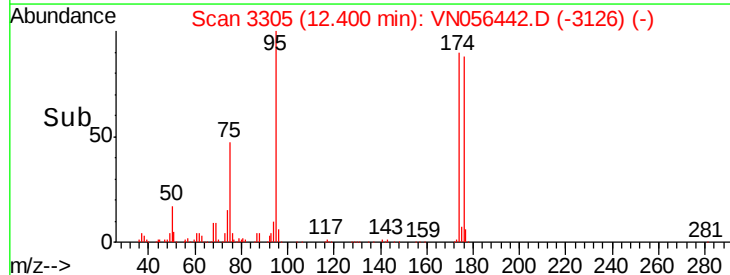
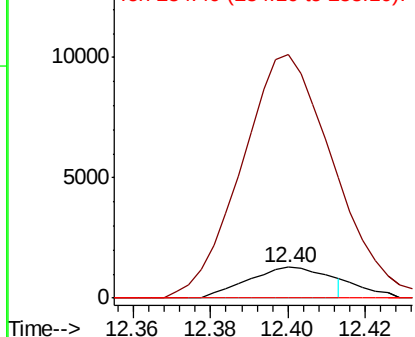


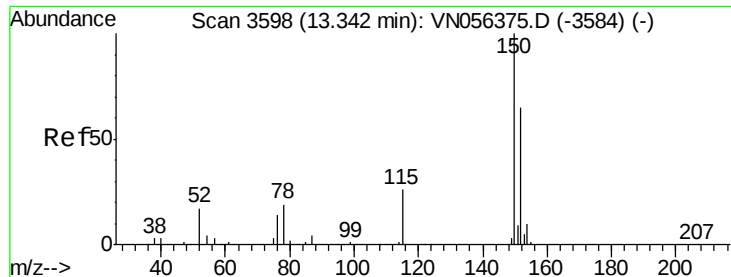
#71
Bromoform
Concen: 3.643 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056442.D
Acq: 24 Jun 2019 9:54

Tgt Ion:173 Resp: 1838
Ion Ratio Lower Upper
173 100
175 813.1 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: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

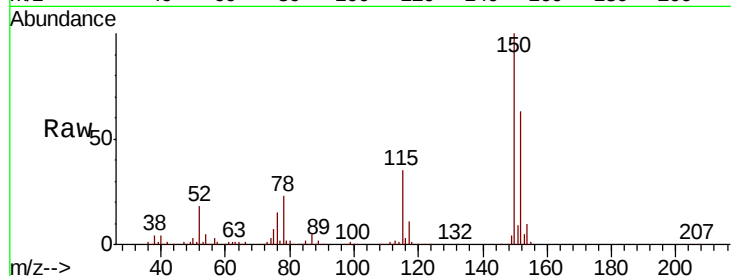
Tot Ion:152 Resp: 177613

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.4

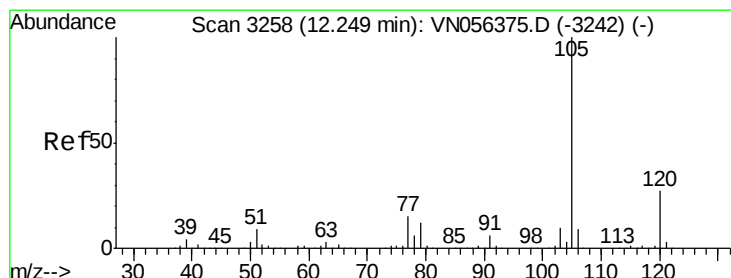
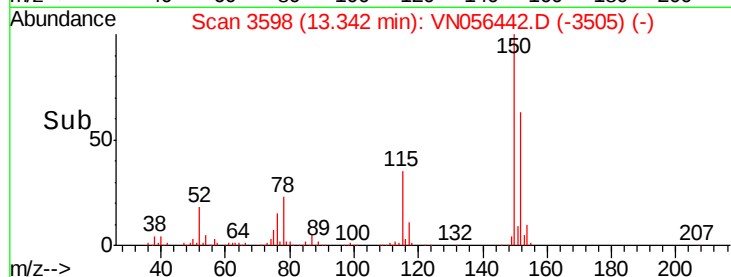
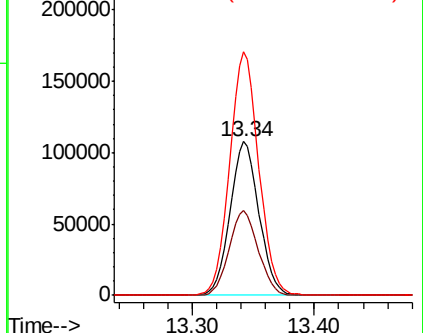
150 159.1 0.0 348.4



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: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN056442.D

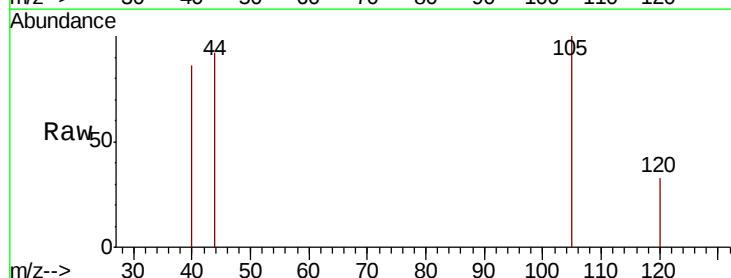
Acq: 24 Jun 2019 9:54

Tgt Ion:105 Resp: 859

Ion Ratio Lower Upper

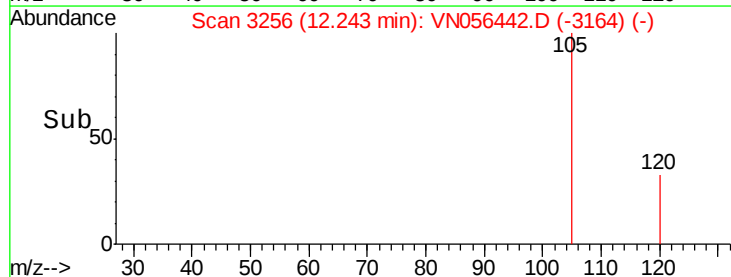
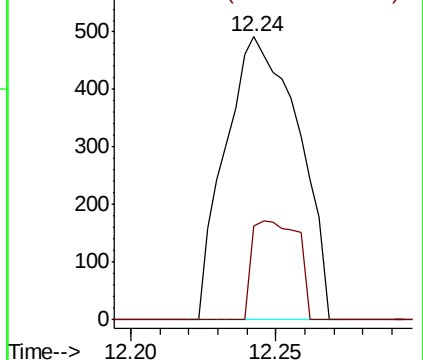
105 100

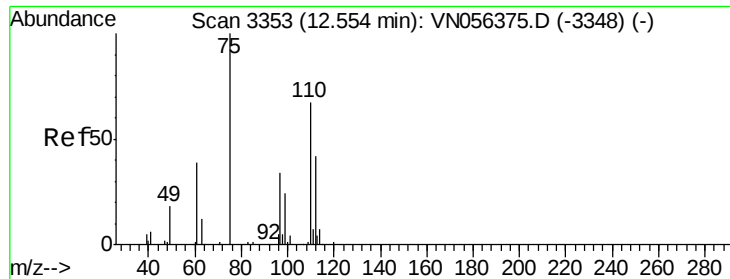
120 21.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

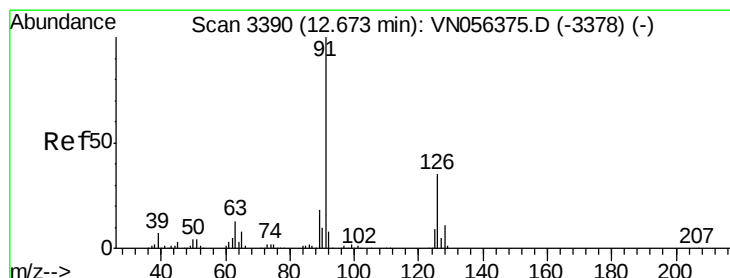
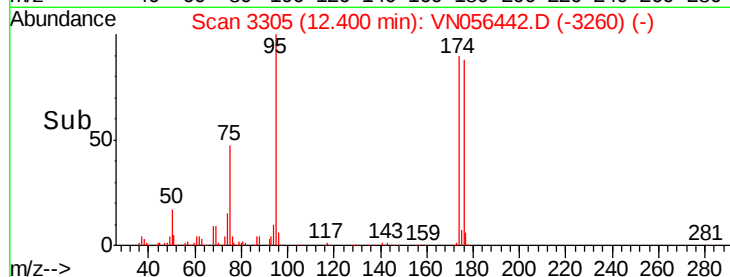
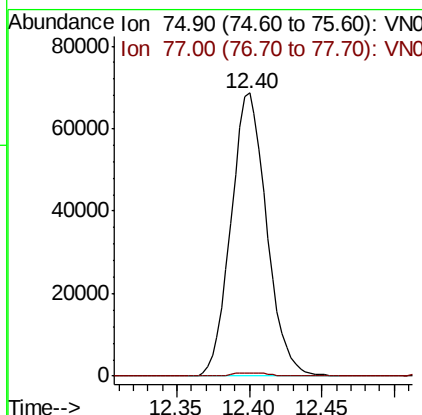
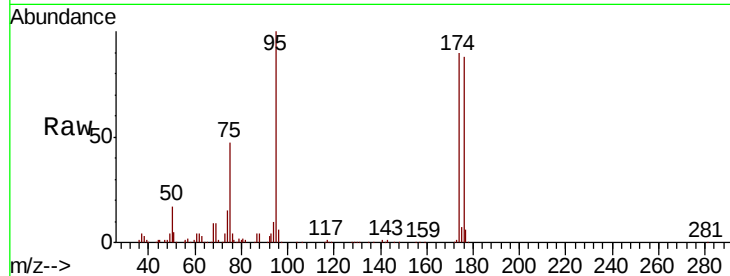




#76
 1,2,3-Trichloropropane
 Concen: 31.850 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

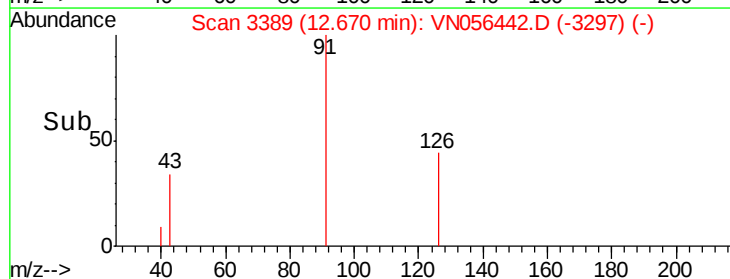
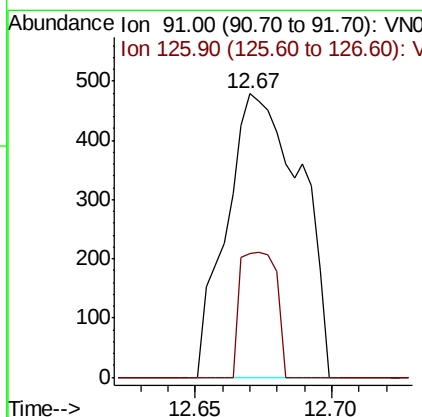
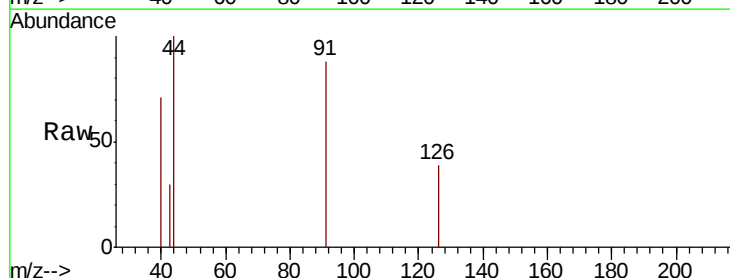
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

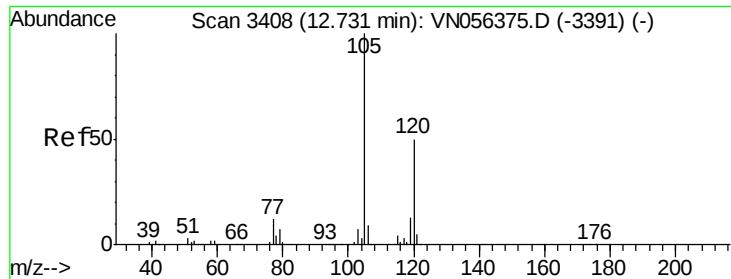
Tot Ion: 75 Resp: 117299
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion: 91 Resp: 901
 Ion Ratio Lower Upper
 91 100
 126 21.5 17.6 52.8

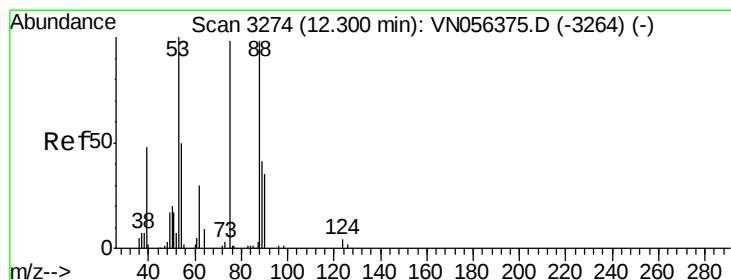
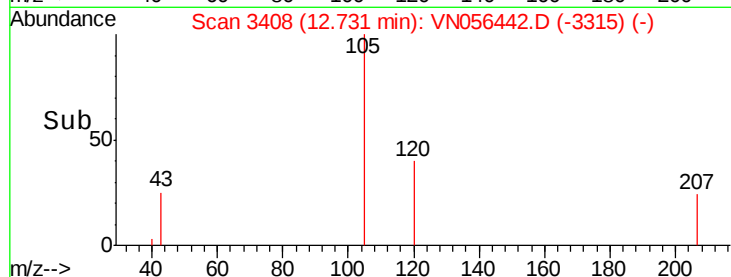
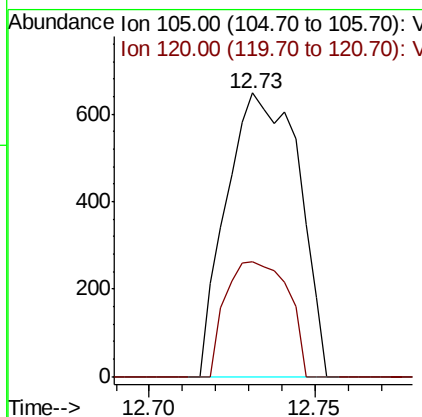
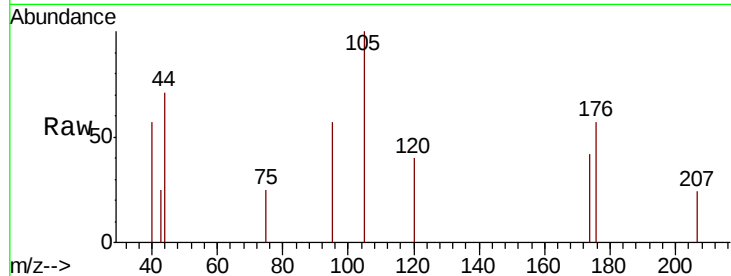




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

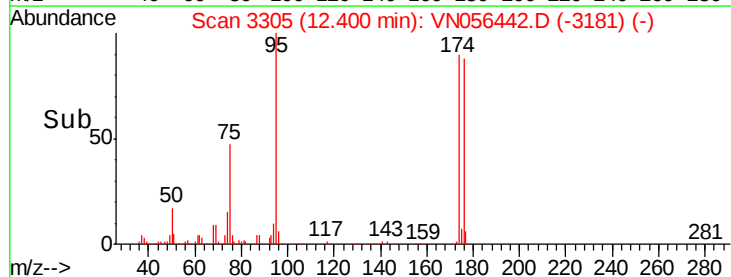
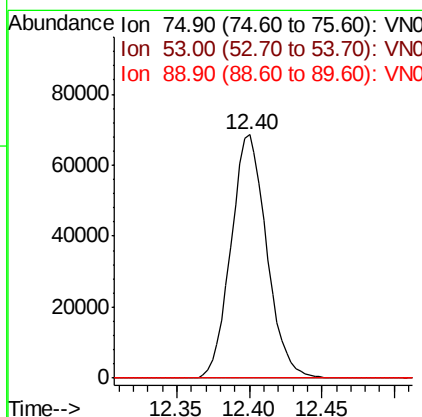
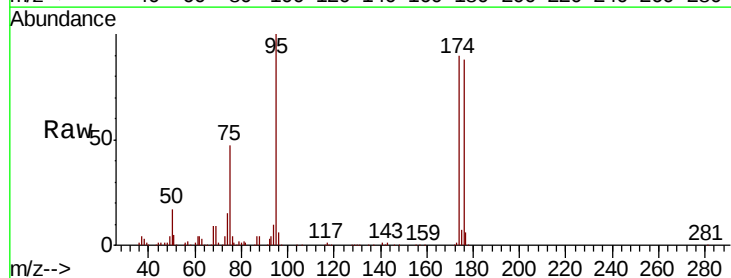
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

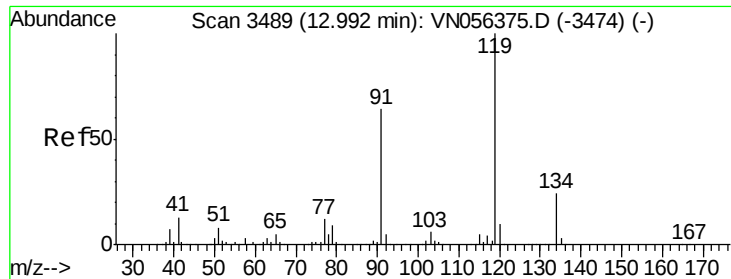
Tot Ion: 105 Resp: 986
 Ion Ratio Lower Upper
 105 100
 120 34.5 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.200 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion: 75 Resp: 117299
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 35.0 52.6#

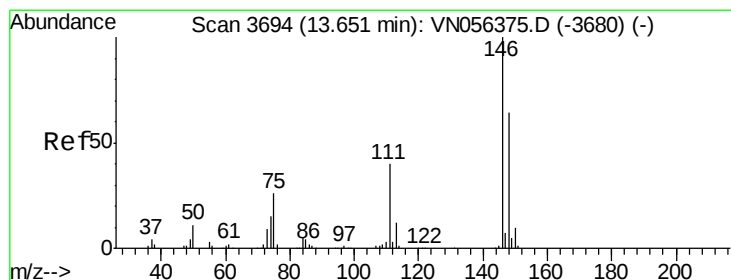
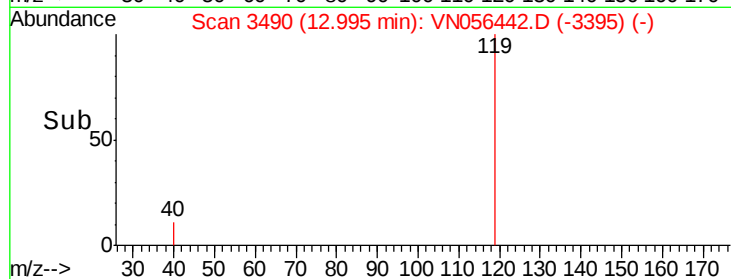
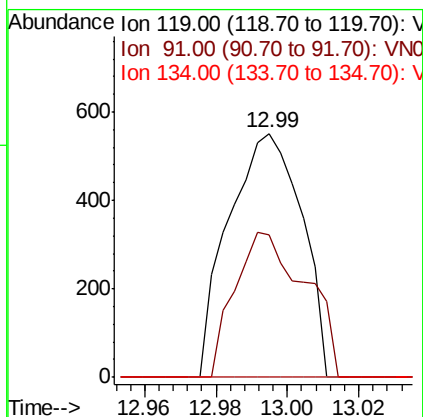
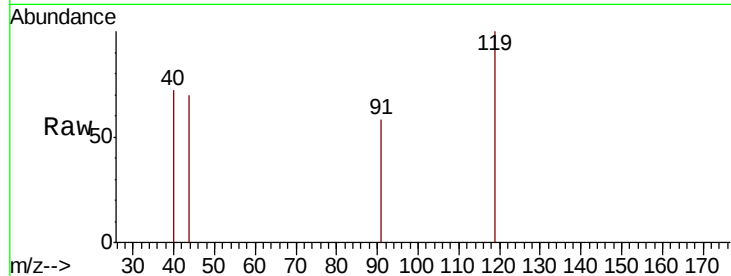




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

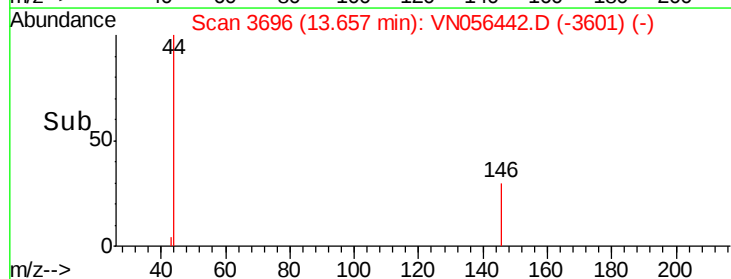
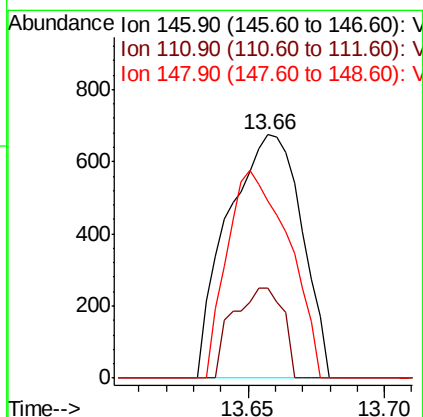
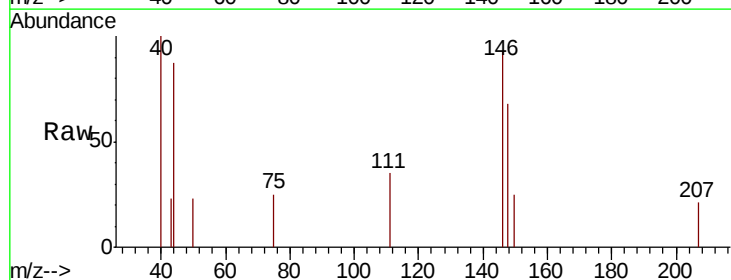
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

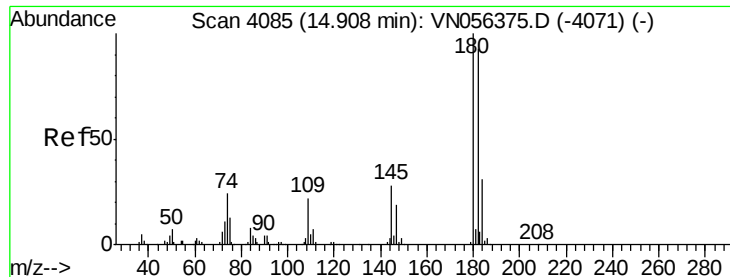
Tot Ion:119 Resp: 780
 Ion Ratio Lower Upper
 119 100
 91 57.7 31.6 94.7
 134 0.0 13.2 39.5#



#91
 1,2-Dichlorobenzene
 Concen: 0.212 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.01 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion:146 Resp: 1267
 Ion Ratio Lower Upper
 146 100
 111 24.9 19.3 57.9
 148 71.5 32.0 96.0

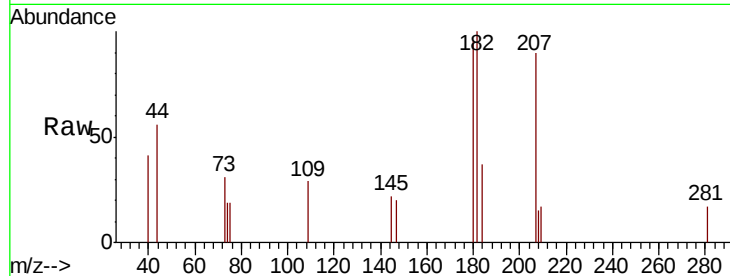




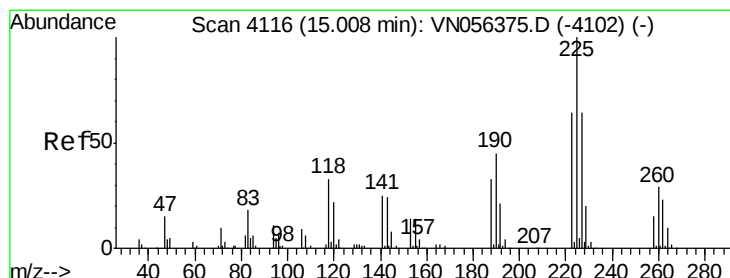
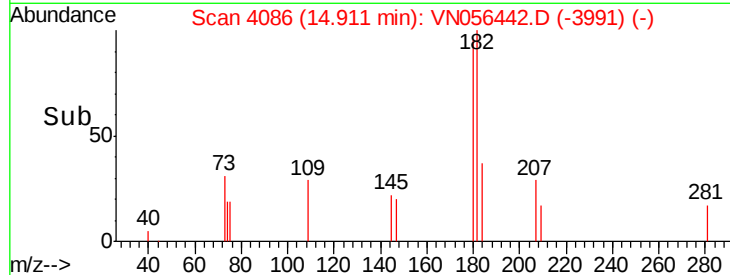
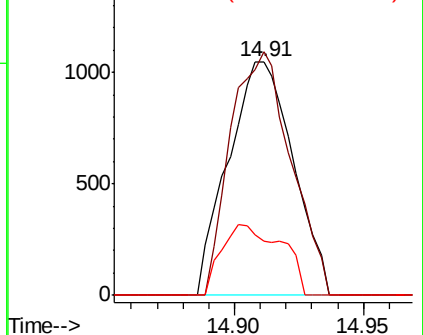
#93
 1,2,4-Trichlorobenzene
 Concen: 6.140 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

Tot Ion:180 Resp: 1841
 Ion Ratio Lower Upper
 180 100
 182 97.2 46.9 140.6
 145 27.9 14.4 43.0

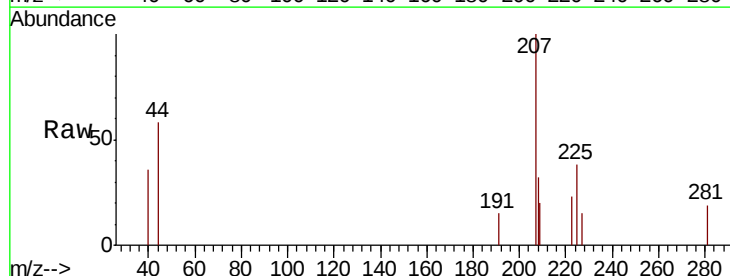


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

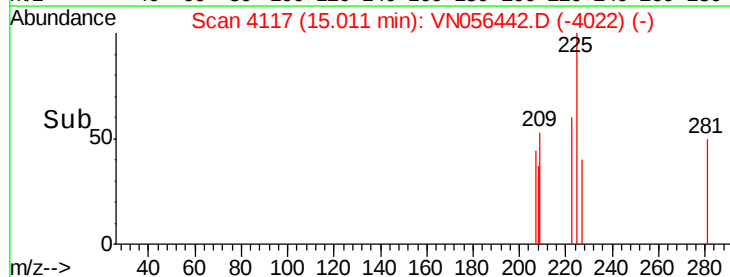
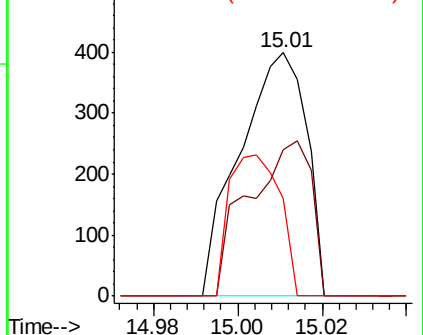


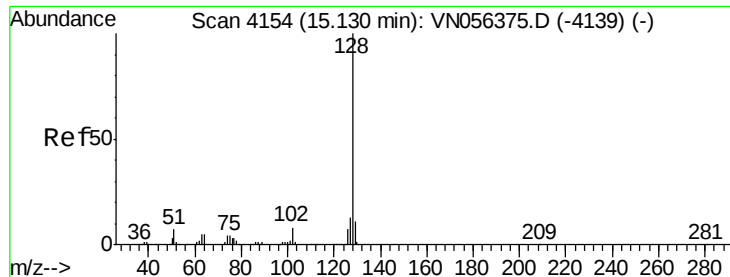
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056442.D
 Acq: 24 Jun 2019 9:54

Tgt Ion:225 Resp: 440
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.4 94.3
 227 44.5 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





#95

Naphthalene

Concen: 5.695 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

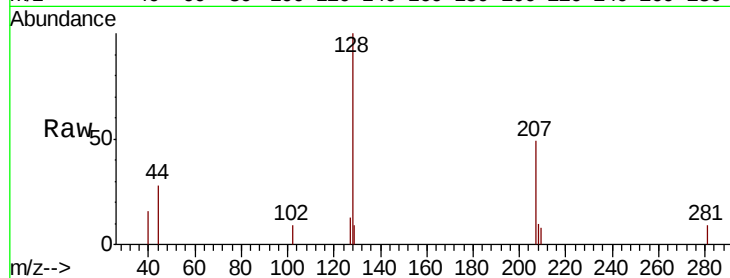
Tot Ion:128 Resp: 4089

Ion Ratio Lower Upper

128 100

127 8.2 10.2 15.2#

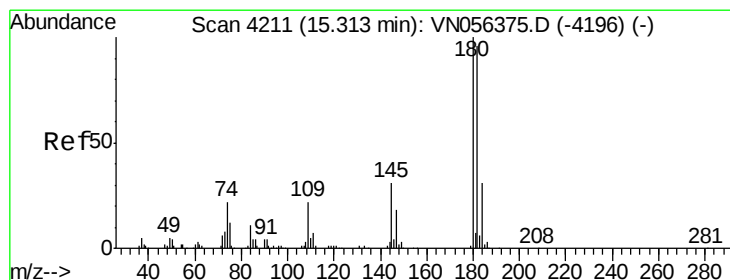
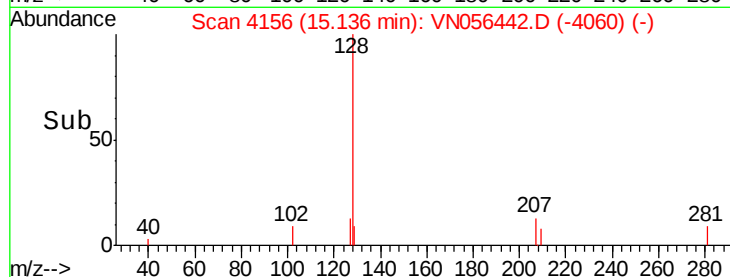
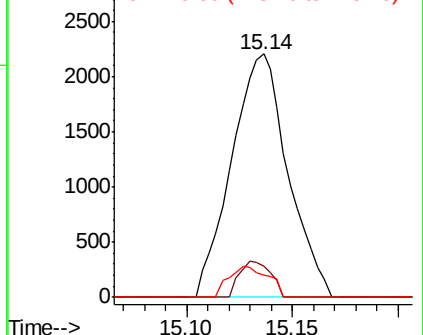
129 9.0 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 5.215 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056442.D

Acq: 24 Jun 2019 9:54

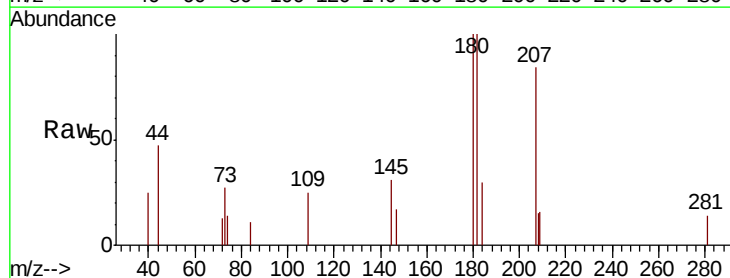
Tgt Ion:180 Resp: 2598

Ion Ratio Lower Upper

180 100

182 108.0 48.3 144.8

145 25.3 15.4 46.1



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

