

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058816.D
 Acq On : 17 Oct 2019 10:45
 Operator : JC/SP
 Sample : VN1017WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:24:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	443604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	701643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235347	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	334284	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
35) Dibromofluoromethane	7.57	113	240182	55.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.84%	
50) Toluene-d8	10.08	98	914424	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.40	95	299498	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	

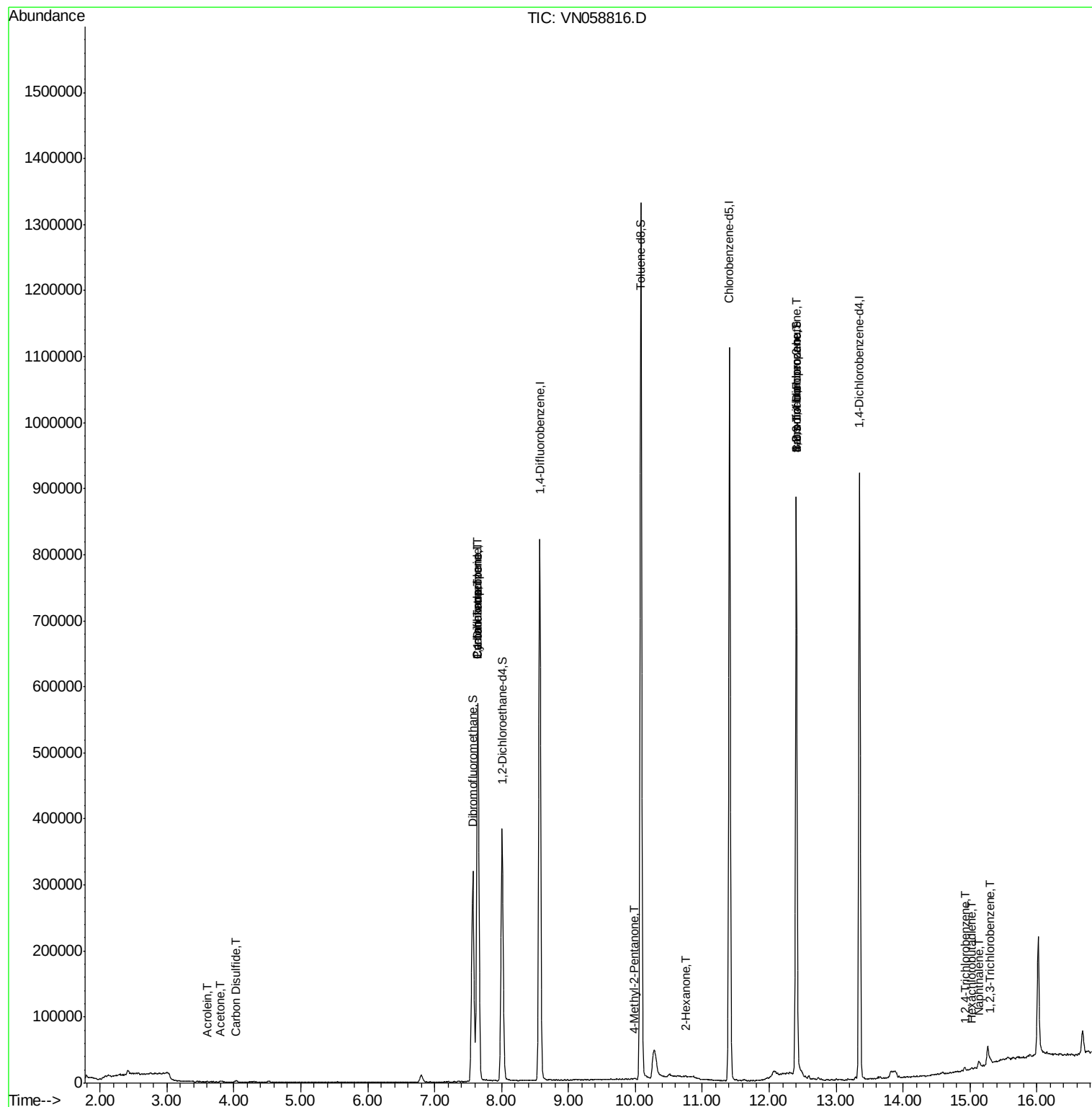
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	193	0.239	ug/l #	52
16) Acetone	3.81	43	2449	0.953	ug/l	92
17) Carbon Disulfide	4.03	76	3517	0.258	ug/l #	74
31) Cyclohexane	7.64	56	10261	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	37979	5.354	ug/l #	50
38) Carbon Tetrachloride	7.64	117	45755	6.618	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	1380	0.201	ug/l #	37
59) 2-Hexanone	10.75	43	1415	0.267	ug/l	64
71) Bromoform	12.40	173	1583	0.469	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	156903	30.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	156903	81.406	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	1657	0.365	ug/l	98
94) Hexachlorobutadiene	15.01	225	488	0.204	ug/l	85
95) Naphthalene	15.14	128	5562	0.426	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.30	180	2213	0.499	ug/l	92

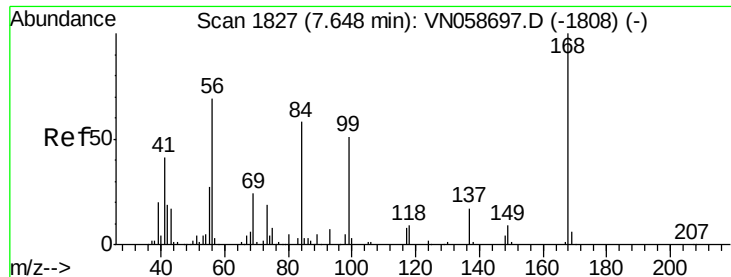
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

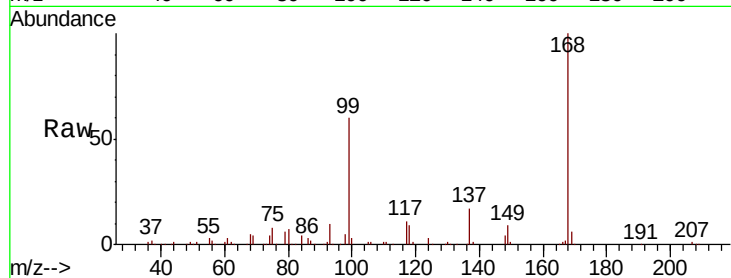
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 443604

Ion Ratio Lower Upper

168 100

99 60.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

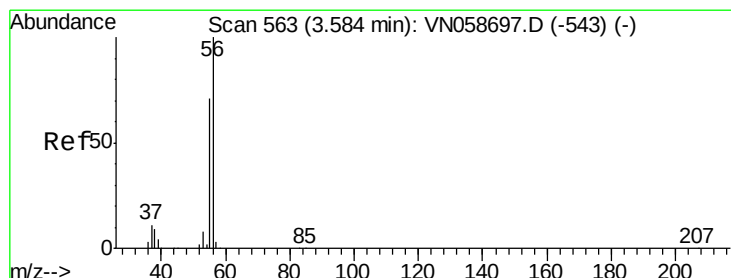
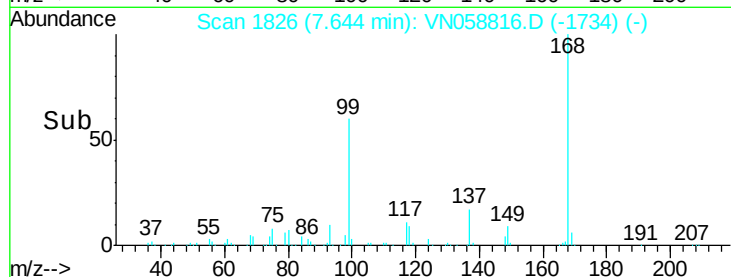
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.239 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058816.D

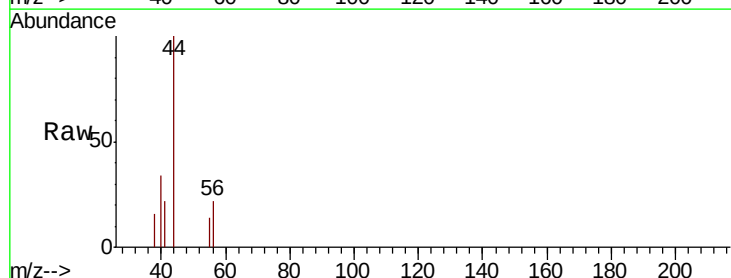
Acq: 17 Oct 2019 10:45

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 31.1 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.59

250

200

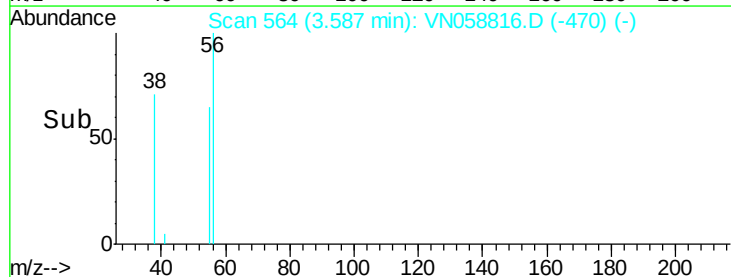
150

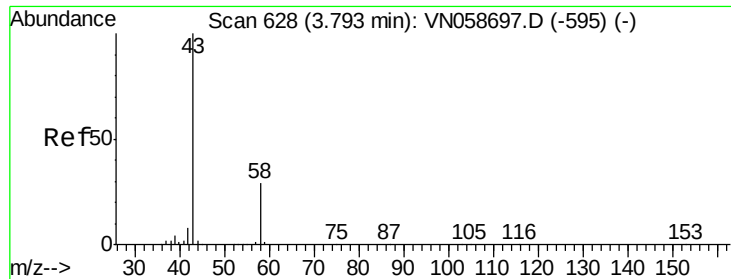
100

50

0

Time-->





#16

Acetone

Concen: 0.953 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

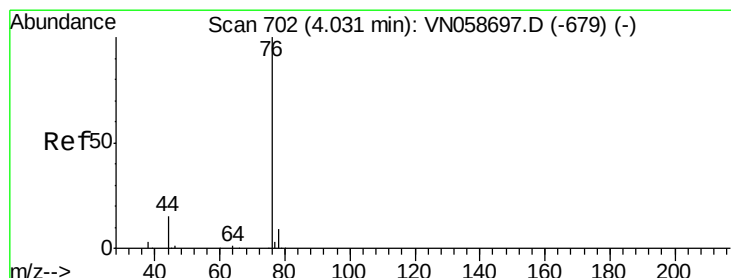
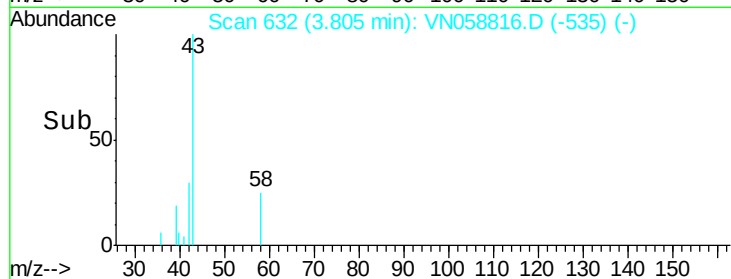
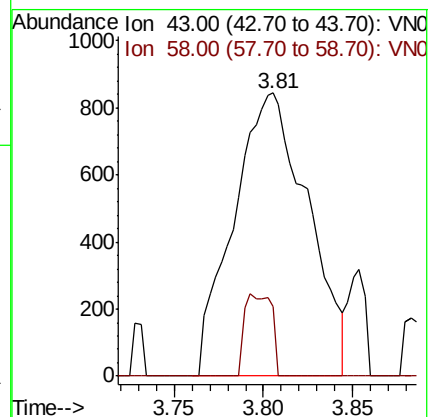
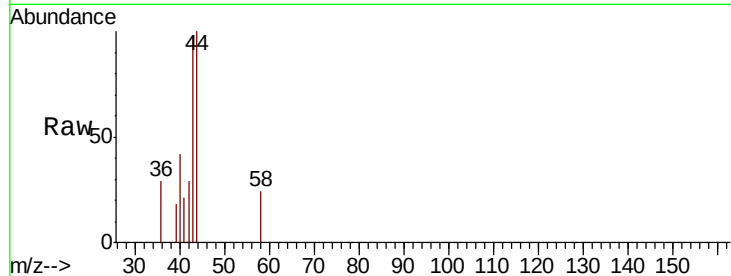
ClientSampled :

Tot Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

58 24.7 23.3 34.9



#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058816.D

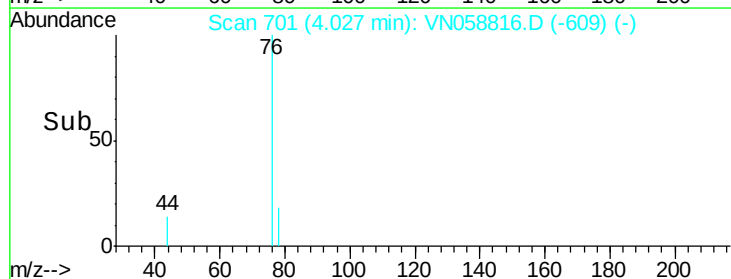
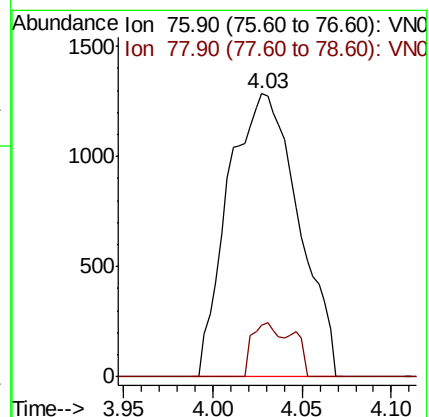
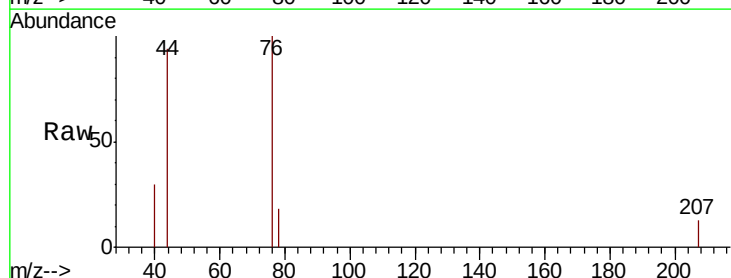
Acq: 17 Oct 2019 10:45

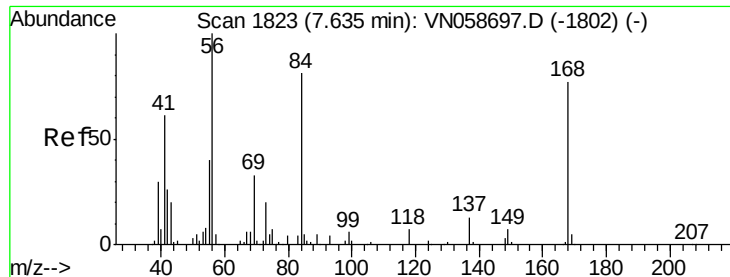
Tgt Ion: 76 Resp: 3517

Ion Ratio Lower Upper

76 100

78 18.1 7.1 10.7#

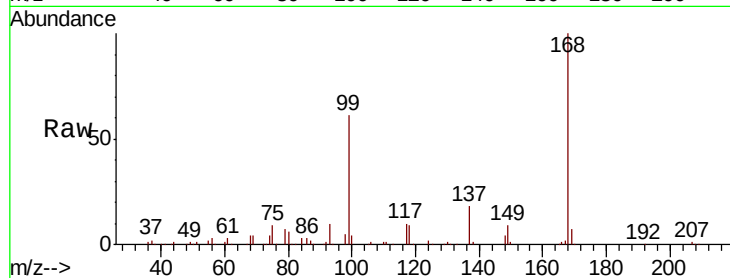




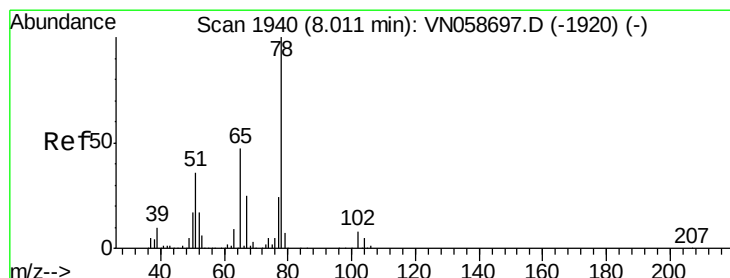
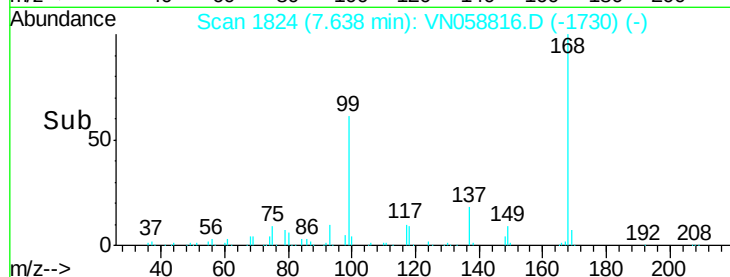
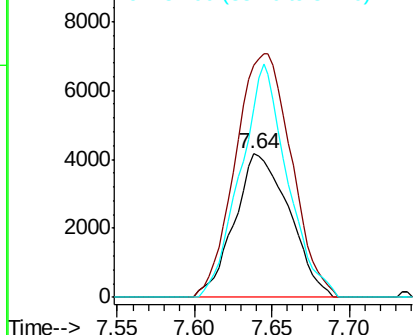
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10261
Ion Ratio Lower Upper
56 100
69 161.5 26.2 39.4#
84 131.3 64.9 97.3#

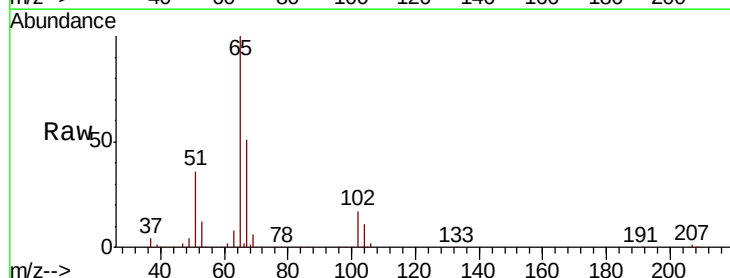


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

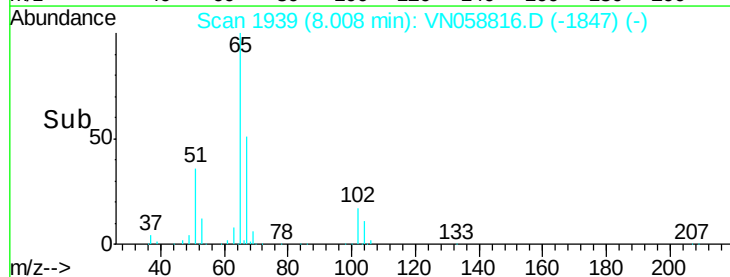
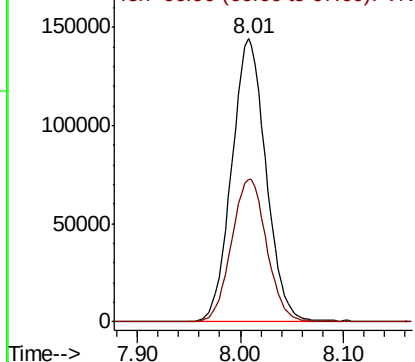


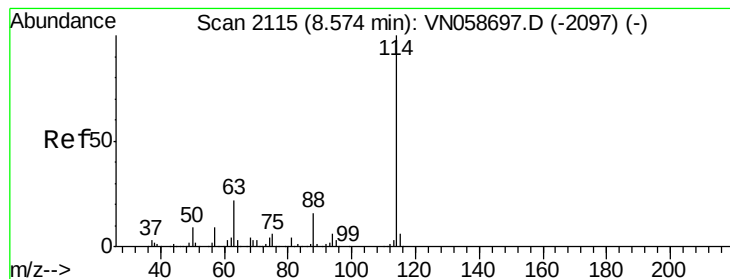
#33
1,2-Dichloroethane-d4
Concen: 53.827 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

Tgt Ion: 65 Resp: 334284
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



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: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

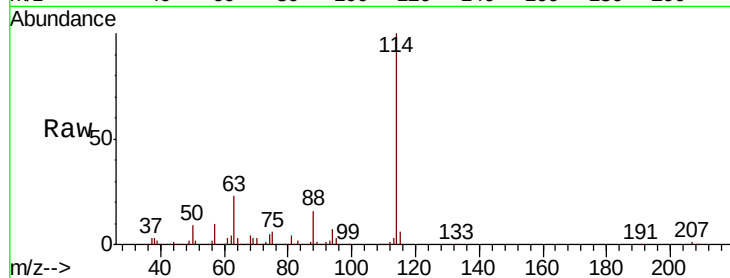
Tot Ion:114 Resp: 701643

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.8

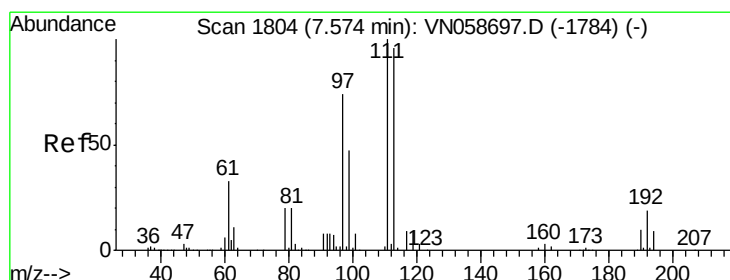
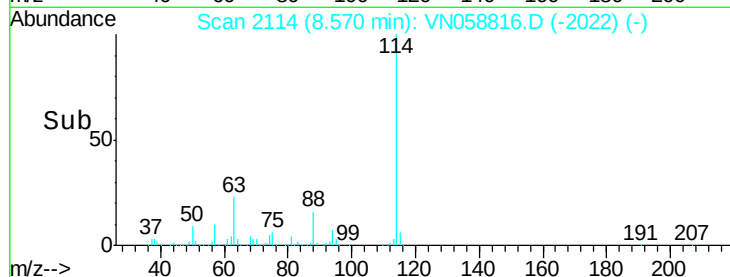
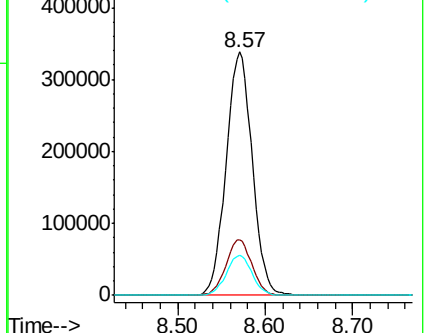
88 16.3 0.0 32.0



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: 55.419 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

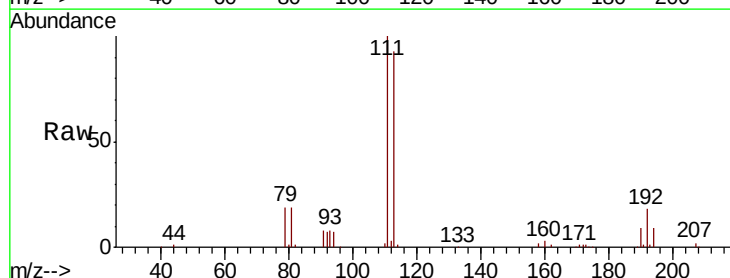
Tgt Ion:113 Resp: 240182

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

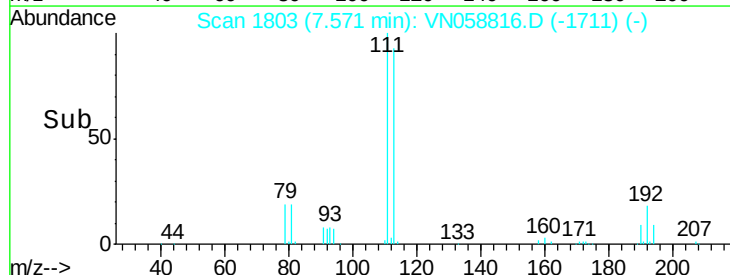
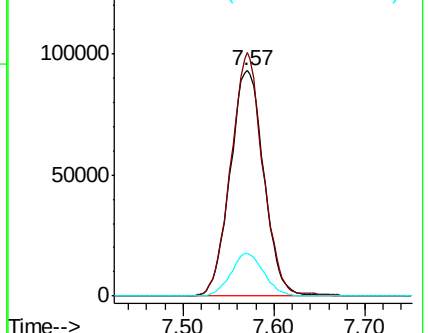
192 18.6 15.0 22.6

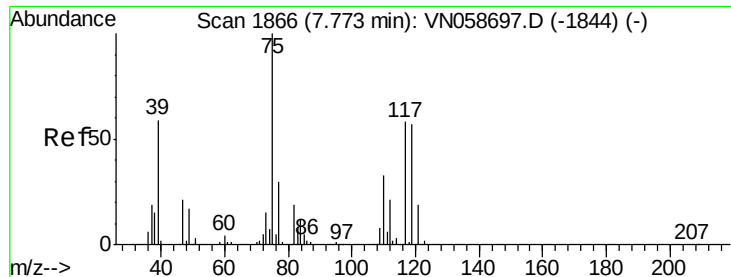


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

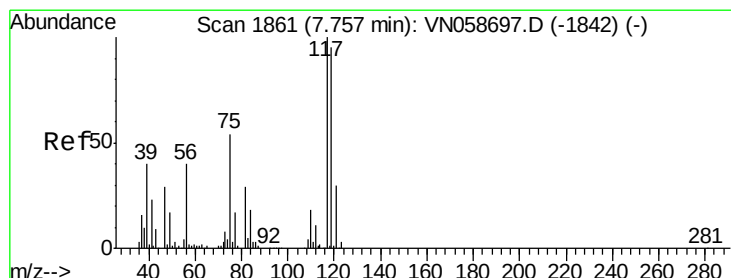
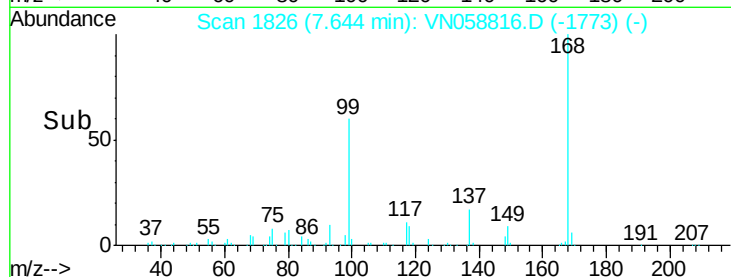
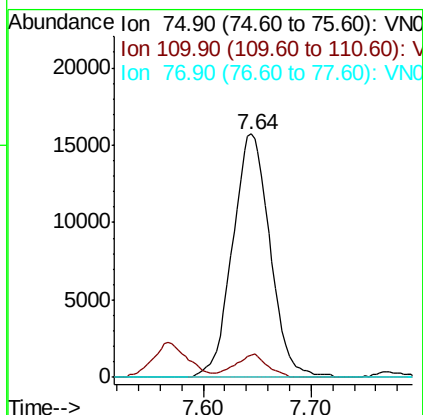
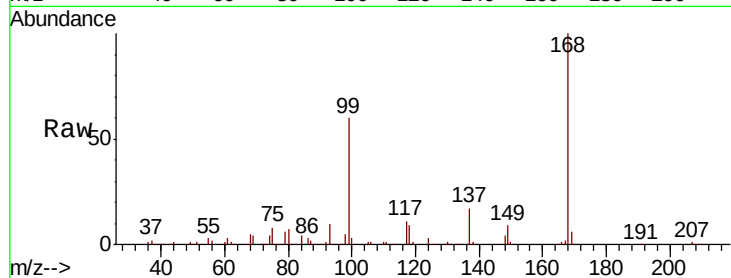




#36
 1,1-Dichloropropene
 Concen: 5.354 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

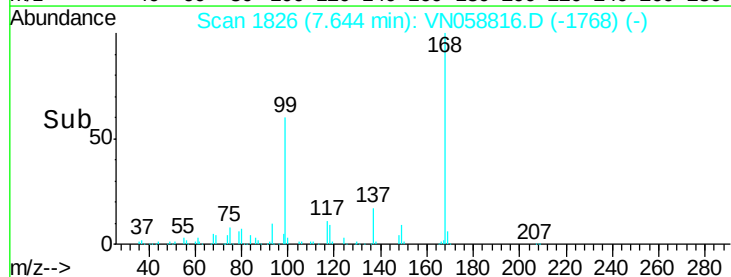
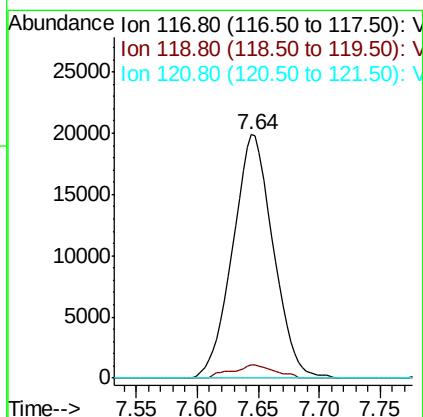
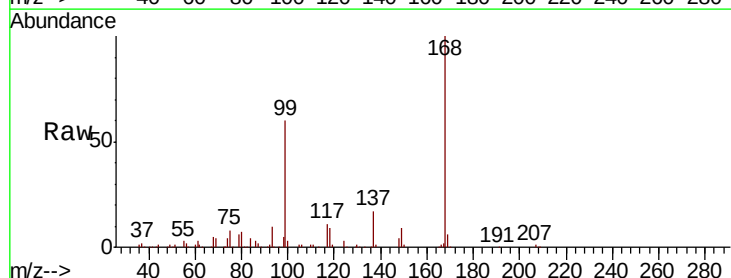
Instrument :
 MSVOA_N
 ClientSampleId :

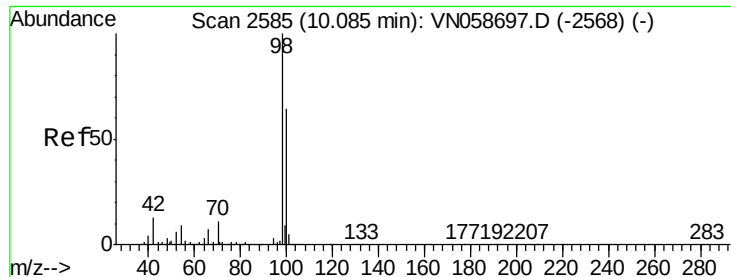
Tot Ion	75	Resp	37979
Ion Ratio	Lower	Upper	
75	100		
110	8.2	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.618 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

Tgt Ion	117	Resp	45755
Ion Ratio	Lower	Upper	
117	100		
119	5.6	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 52.763 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

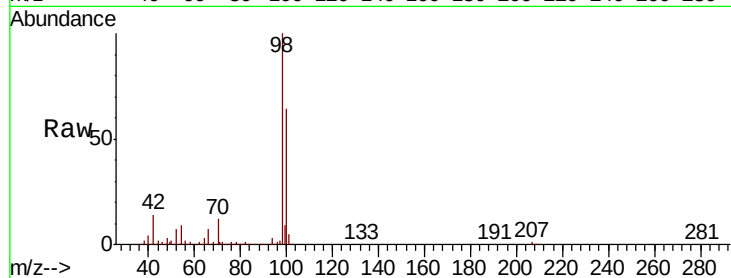
ClientSampled :

Tot Ion: 98 Resp: 914424

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058697.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058697.D (-2568) (-)

10.08

500000

400000

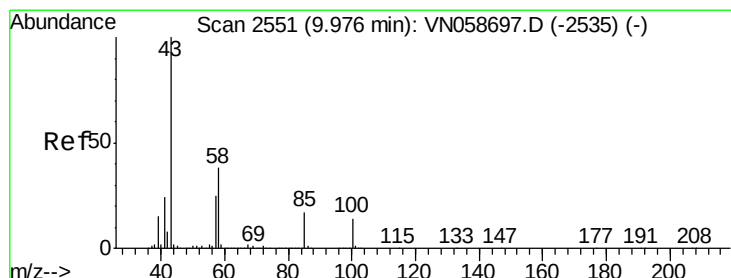
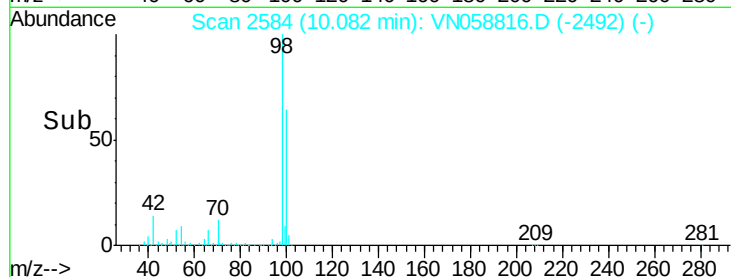
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058816.D

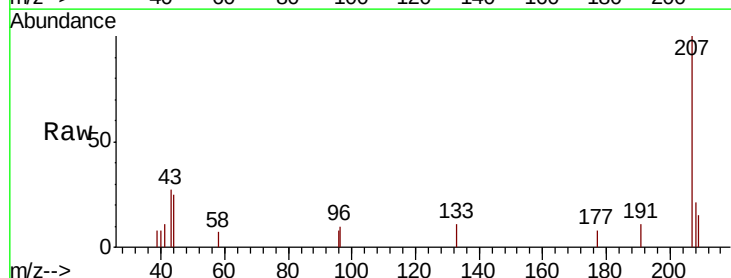
Acq: 17 Oct 2019 10:45

Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 0.0 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

800

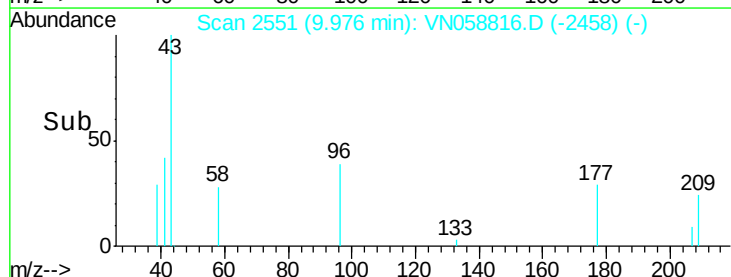
600

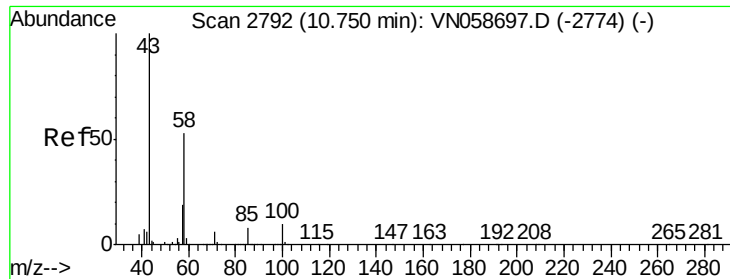
400

200

0

Time-->

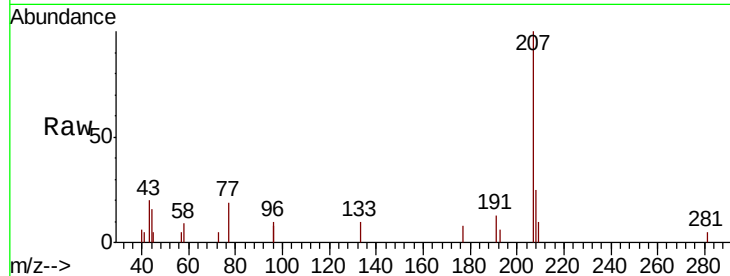




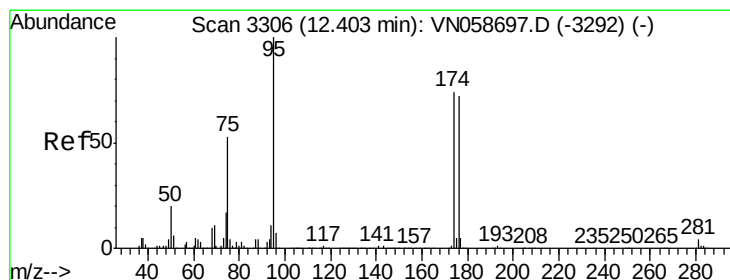
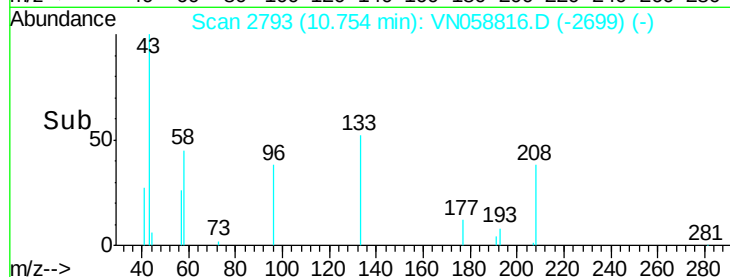
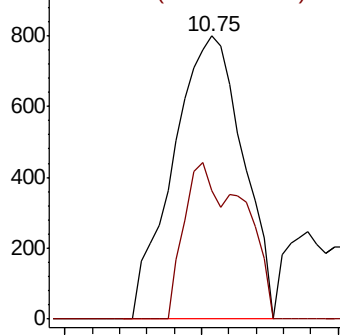
#59
2-Hexanone
Concen: 0.267 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 27.1 26.1 78.3

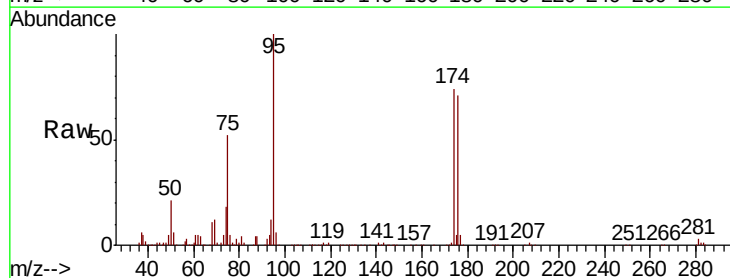


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

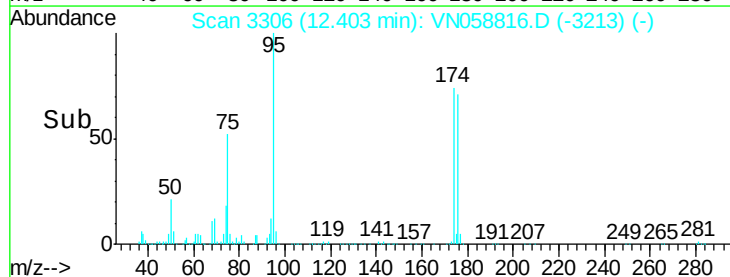
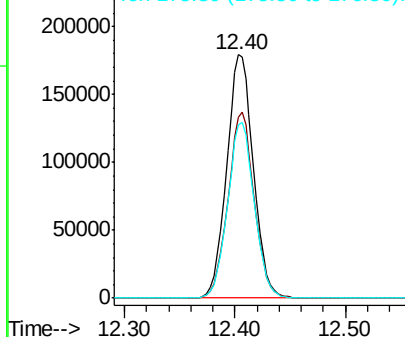


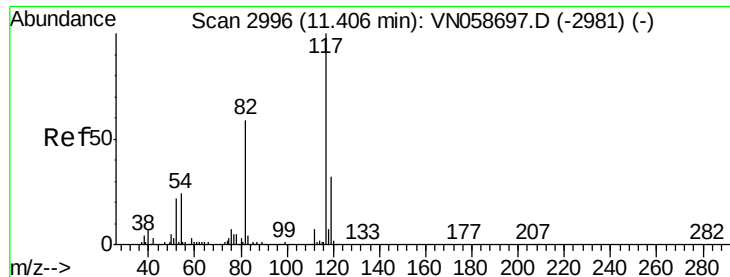
#62
4-Bromofluorobenzene
Concen: 45.654 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

Tgt Ion: 95 Resp: 299498
Ion Ratio Lower Upper
95 100
174 75.1 0.0 150.4
176 72.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

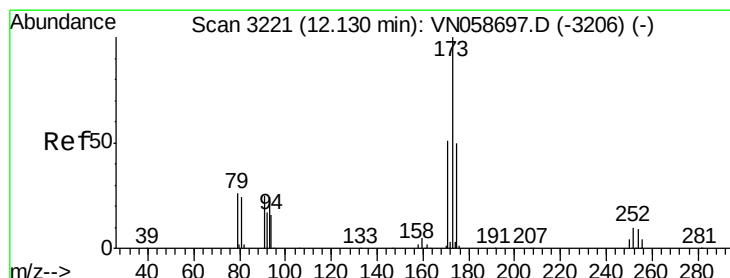
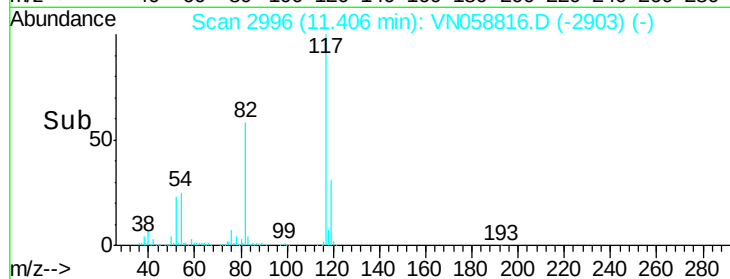
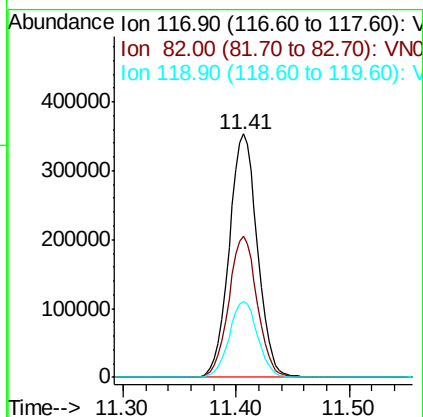
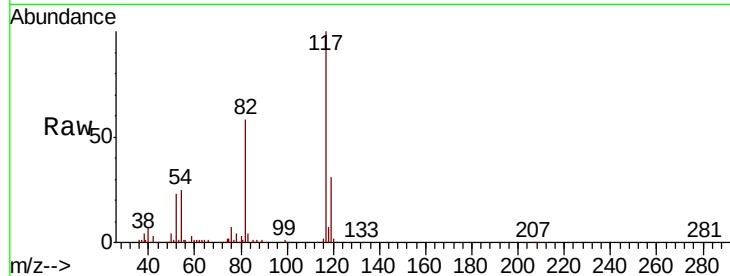




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

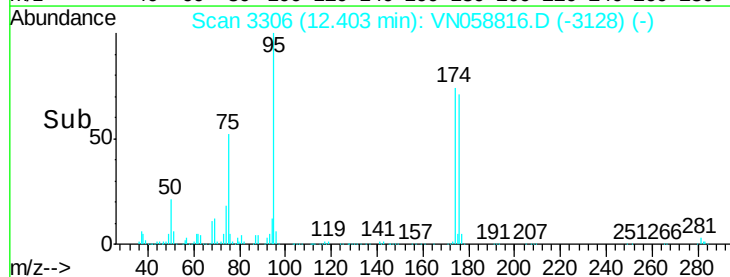
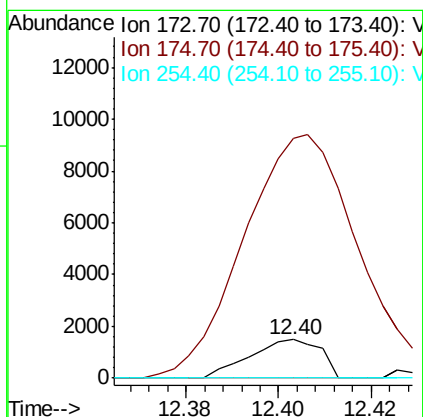
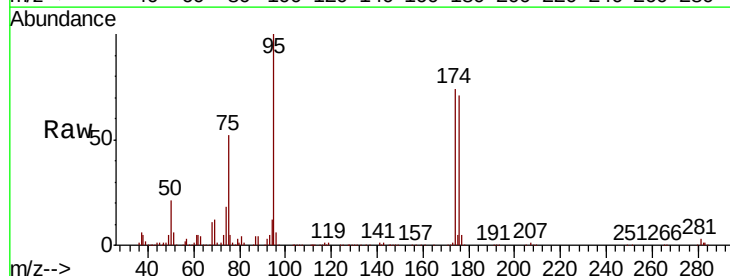
Instrument :
MSVOA_N
ClientSampleId :

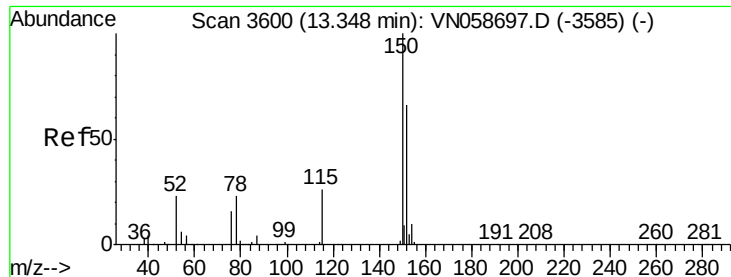
Tot Ion:117 Resp: 613858
Ion Ratio Lower Upper
117 100
82 57.8 47.0 70.4
119 31.2 25.4 38.2



#71
Bromoform
Concen: 0.469 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

Tgt Ion:173 Resp: 1583
Ion Ratio Lower Upper
173 100
175 880.5 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

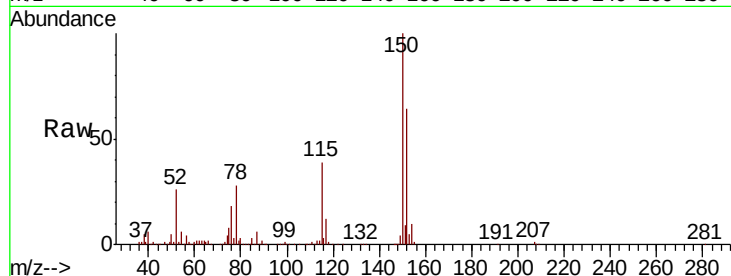
Tot Ion:152 Resp: 235347

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

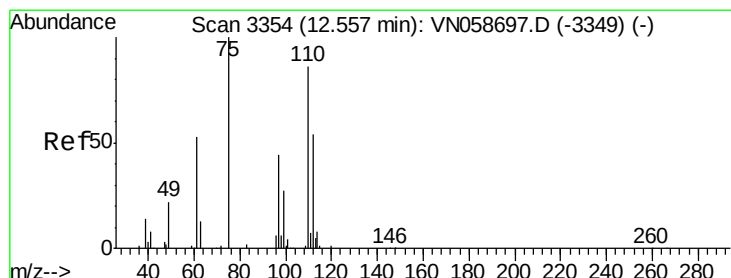
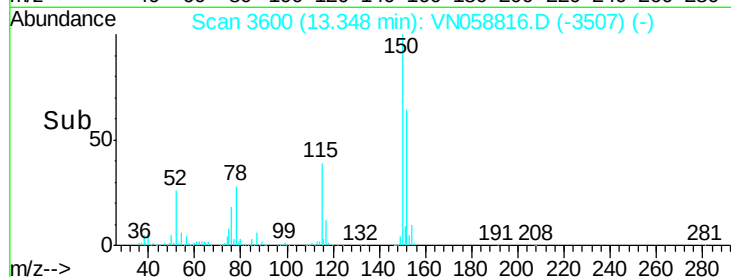
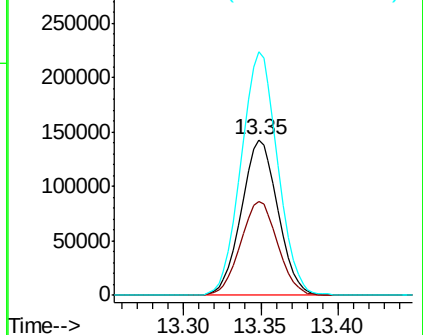
150 157.3 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 30.390 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058816.D

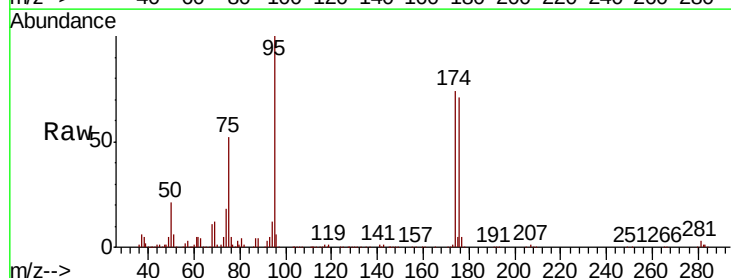
Acq: 17 Oct 2019 10:45

Tgt Ion: 75 Resp: 156903

Ion Ratio Lower Upper

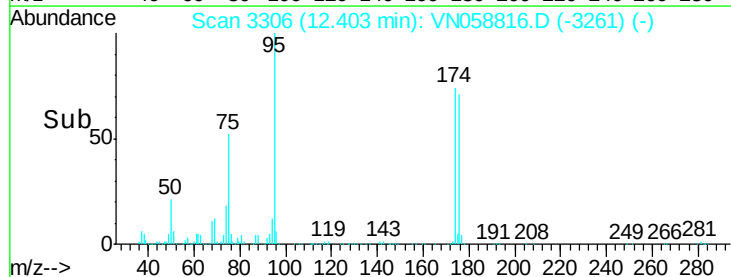
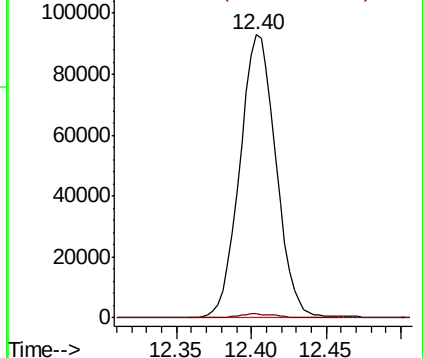
75 100

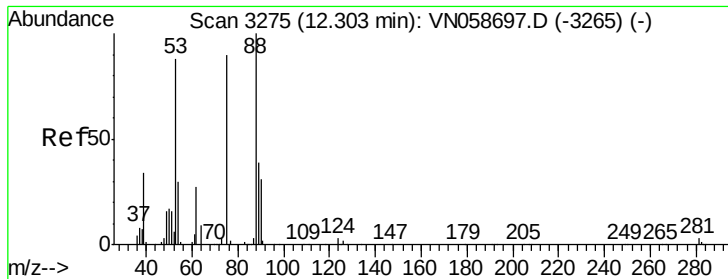
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.406 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

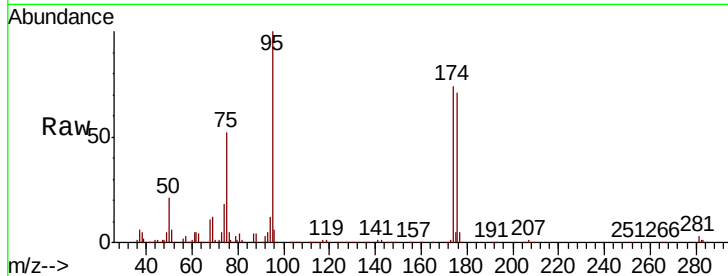
Tot Ion: 75 Resp: 156903

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

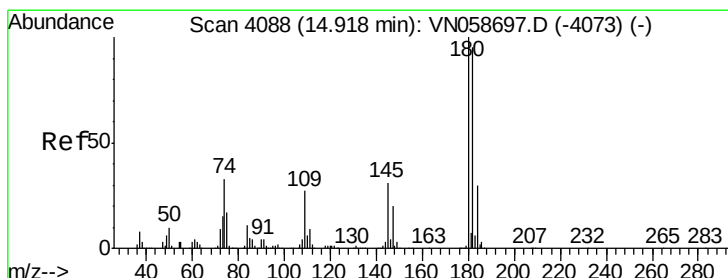
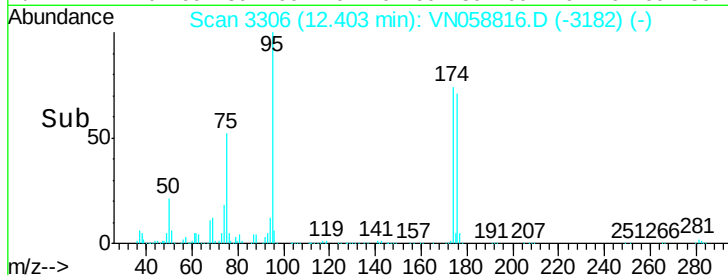
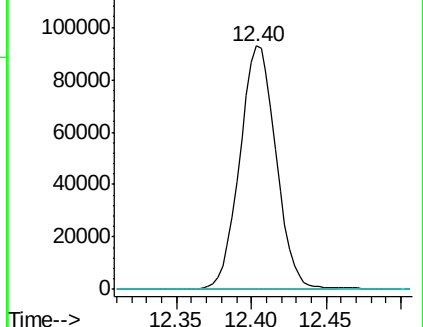
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN058816.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058816.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058816.D (-3182) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.365 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

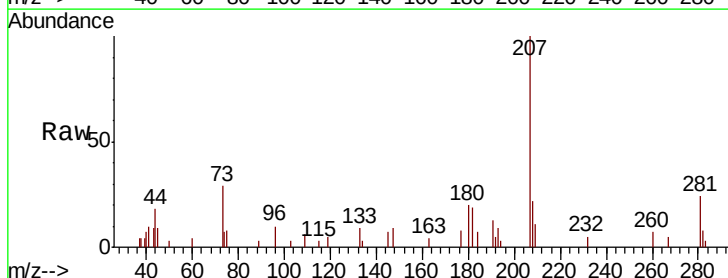
Tgt Ion:180 Resp: 1657

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.2

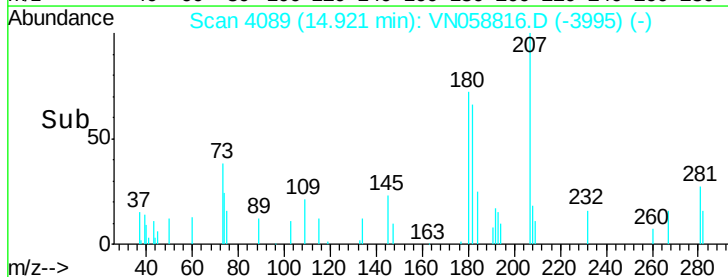
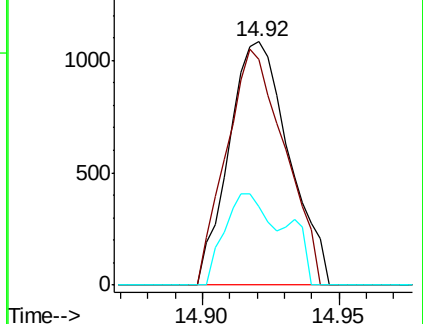
145 28.2 15.4 46.2

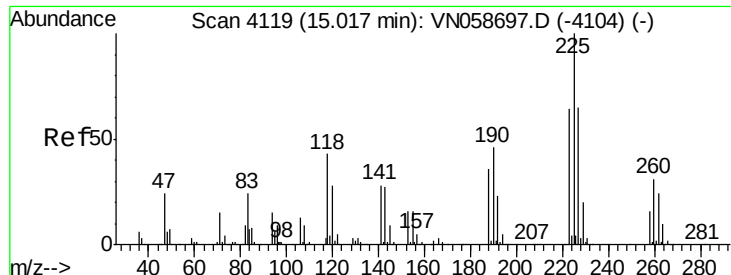


Abundance Ion 179.80 (179.50 to 180.50): VN058816.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058816.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058816.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 0.204 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

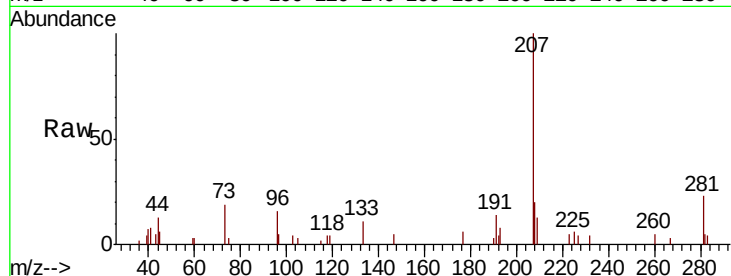
Tot Ion:225 Resp: 488

Ion Ratio Lower Upper

225 100

223 78.1 32.3 96.8

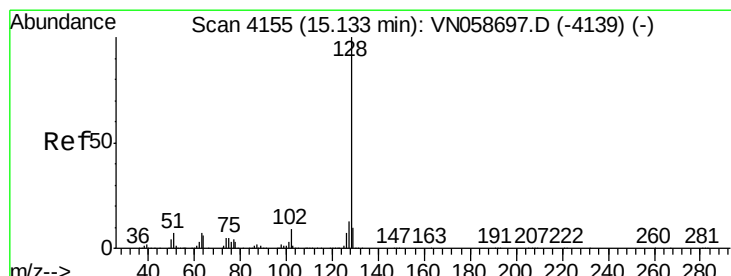
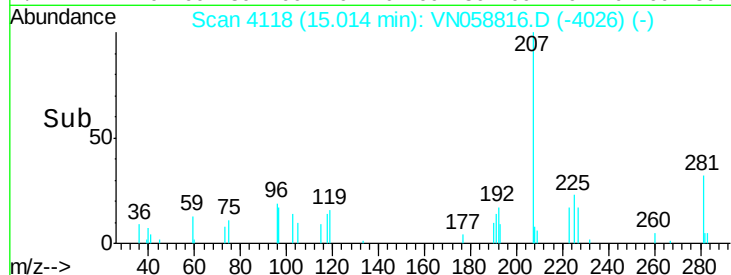
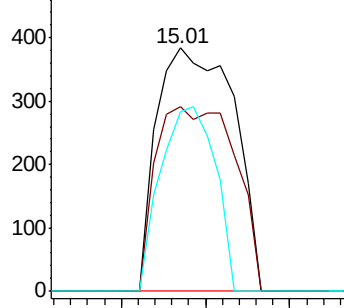
227 54.1 32.4 97.0



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: 0.426 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058816.D

Acq: 17 Oct 2019 10:45

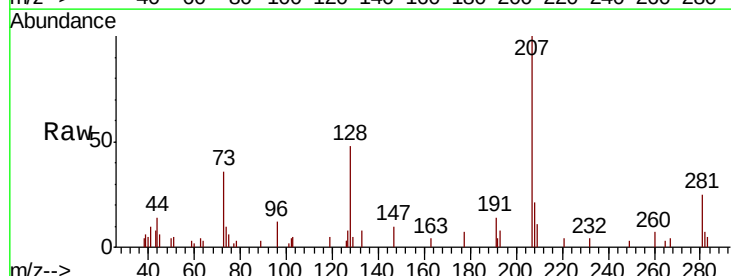
Tgt Ion:128 Resp: 5562

Ion Ratio Lower Upper

128 100

127 16.4 10.2 15.4#

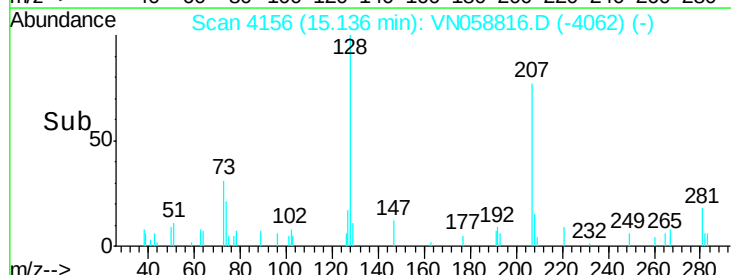
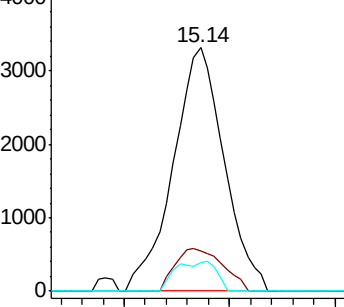
129 9.8 8.5 12.7

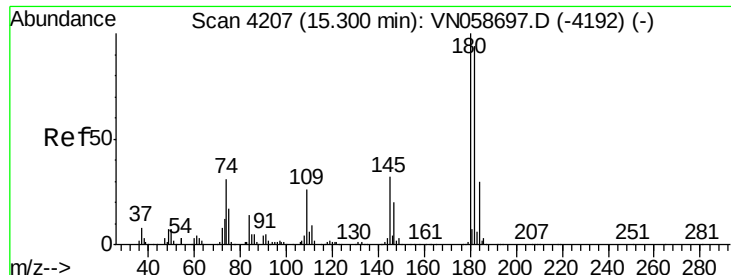


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.499 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.3	142.0
145	41.8	16.2	48.6

