

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 :
 VN1017WBL01

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%		

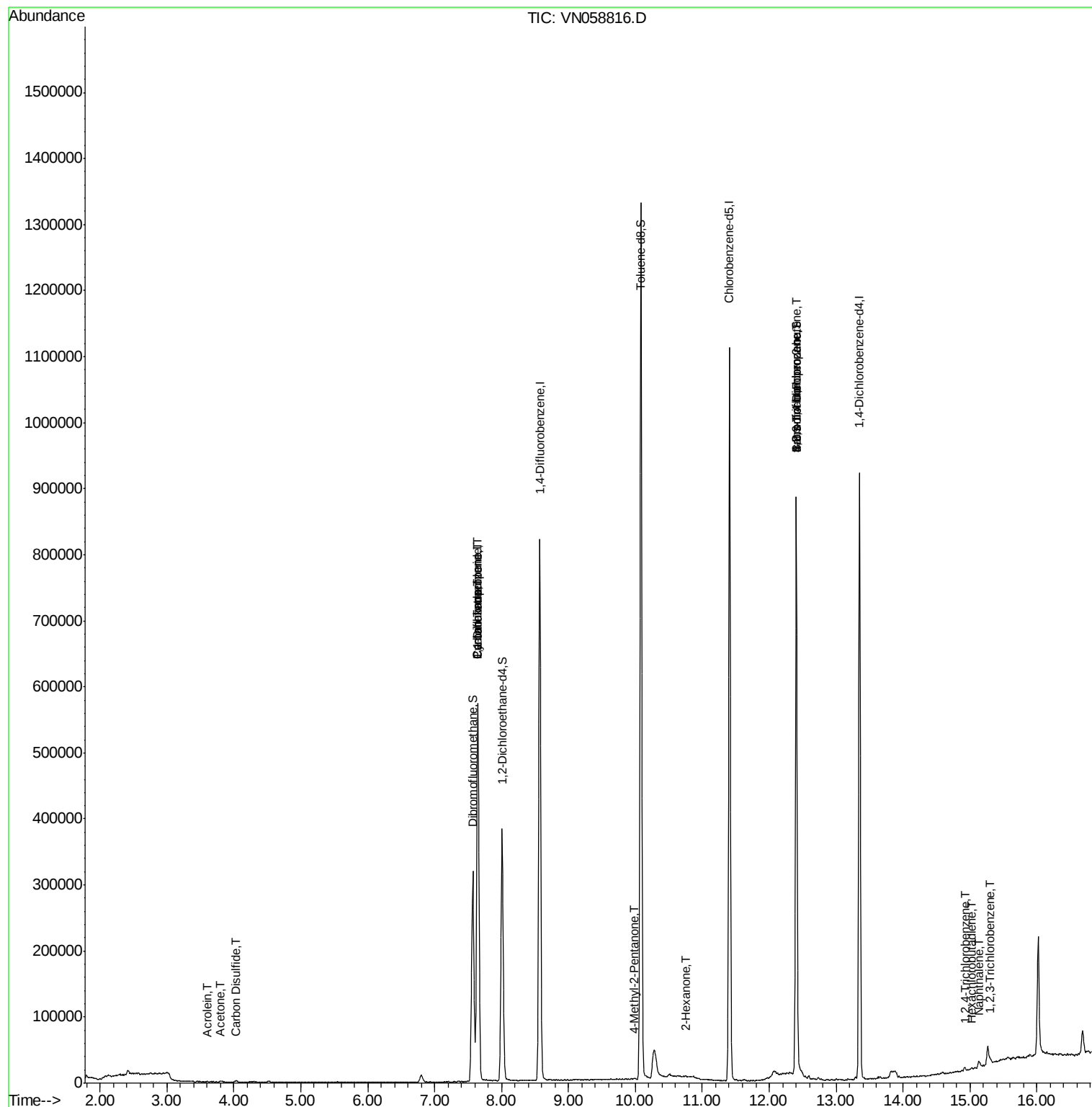
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	193	0.239	ug/l #	52
16) Acetone	3.81	43	2449	0.953	ug/l	92
17) Carbon Disulfide	4.03	76	3517	0.258	ug/l #	74
31) Cyclohexane	7.64	56	10261	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	37979	5.354	ug/l #	50
38) Carbon Tetrachloride	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

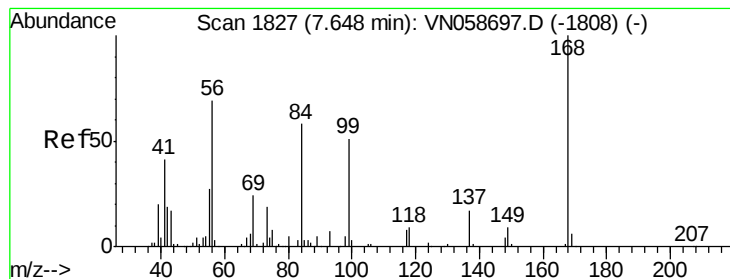
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

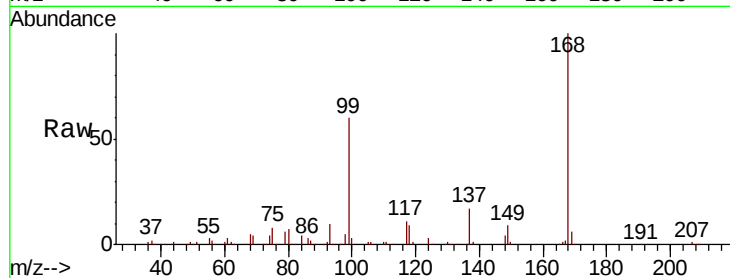
VN1017WBL01

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): VN058816.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN058816.D (-1734) (-)

7.64

200000

150000

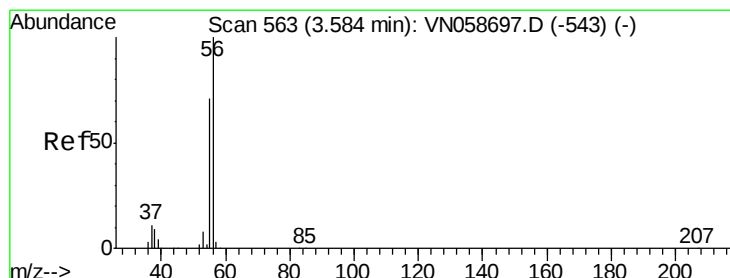
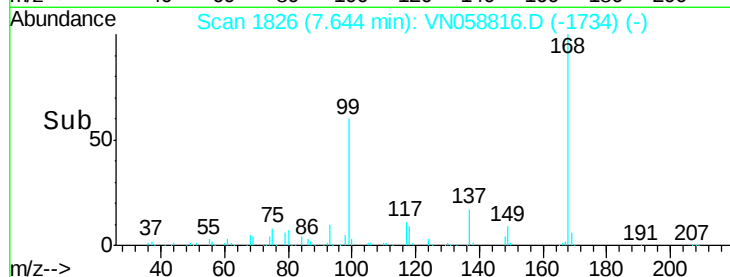
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 0.239 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058816.D

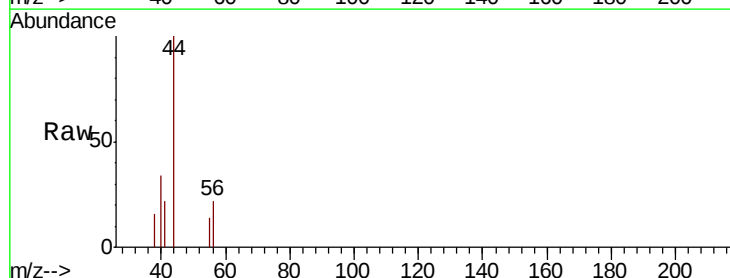
Acq: 17 Oct 2019 10:45

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): VN058816.D (-470) (-)

Ion 55.00 (54.70 to 55.70): VN058816.D (-470) (-)

3.59

250

200

150

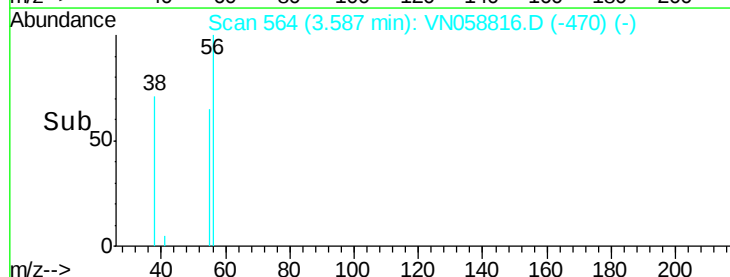
100

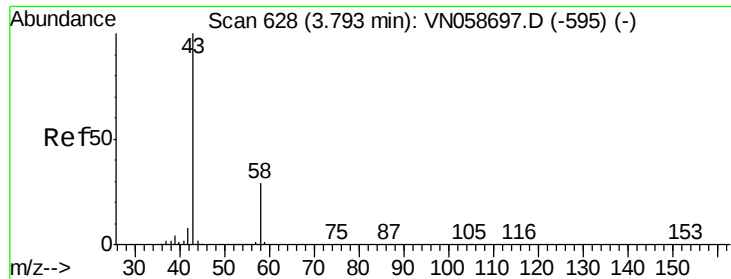
50

0

3.56 3.57 3.58 3.59 3.60

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

ClientSampleId :

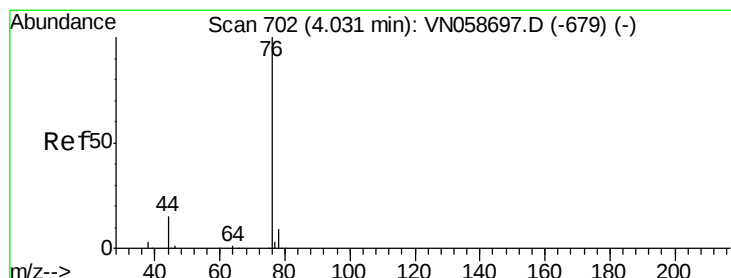
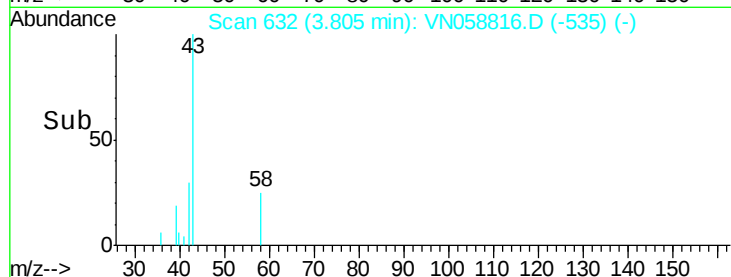
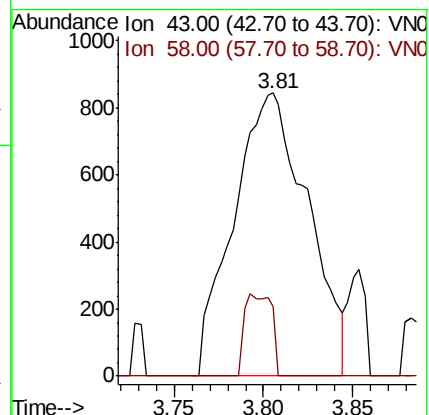
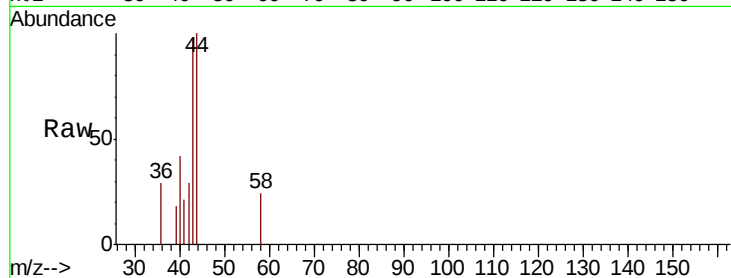
VN1017WBL01

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

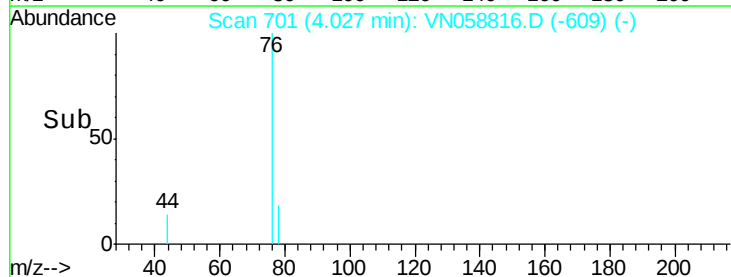
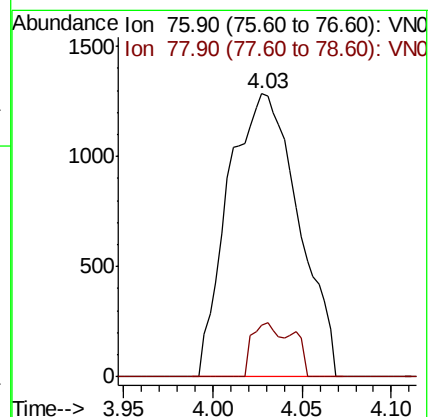
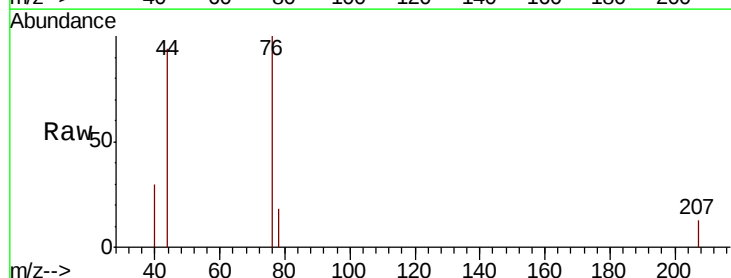
Acq: 17 Oct 2019 10:45

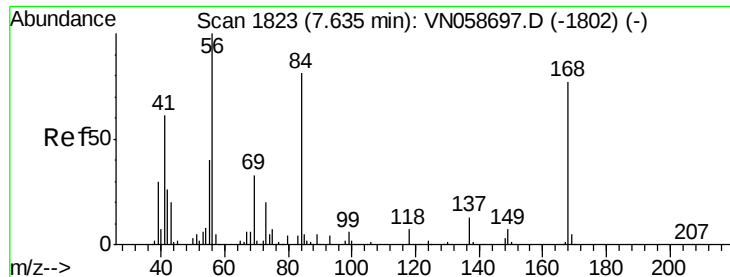
Tgt Ion: 76 Resp: 3517

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 :
VN1017WBL01

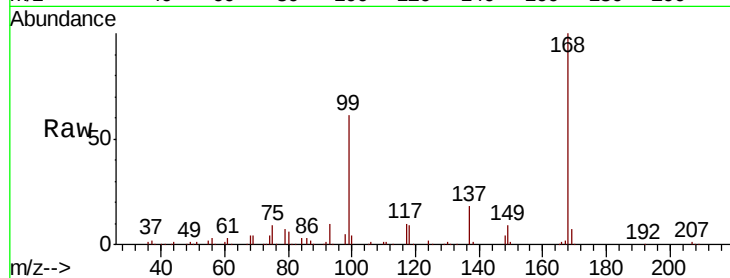
Tot Ion: 56 Resp: 10261

Ion Ratio Lower Upper

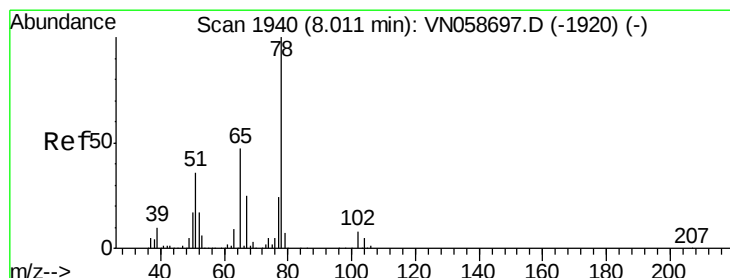
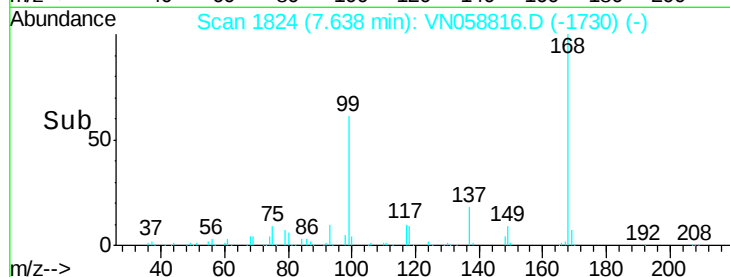
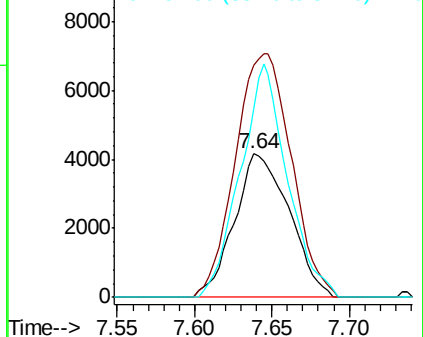
56 100

69 161.5 26.2 39.4#

84 131.3 64.9 97.3#



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



#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

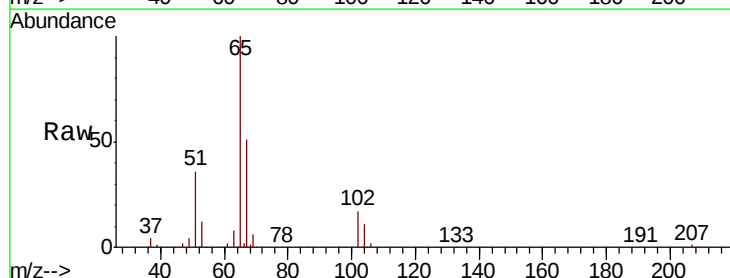
Acq: 17 Oct 2019 10:45

Tgt Ion: 65 Resp: 334284

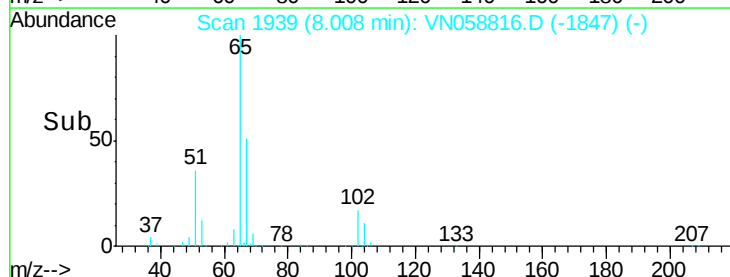
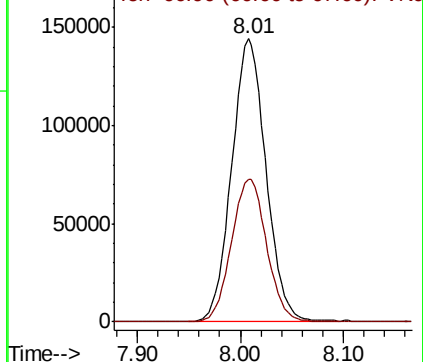
Ion Ratio Lower Upper

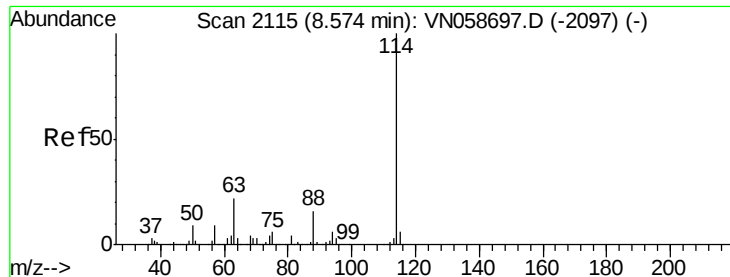
65 100

67 51.7 0.0 103.8



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

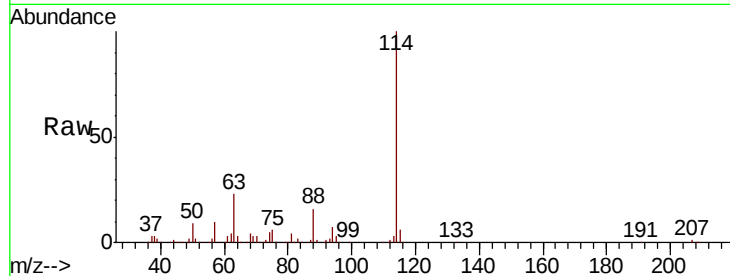




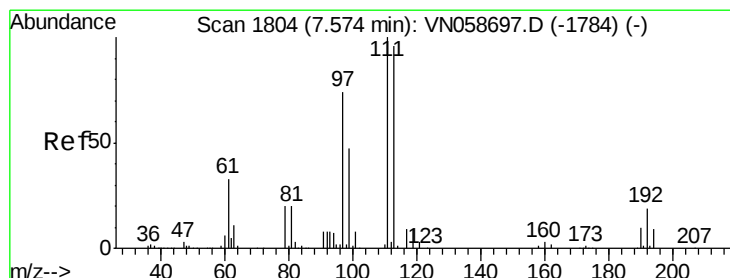
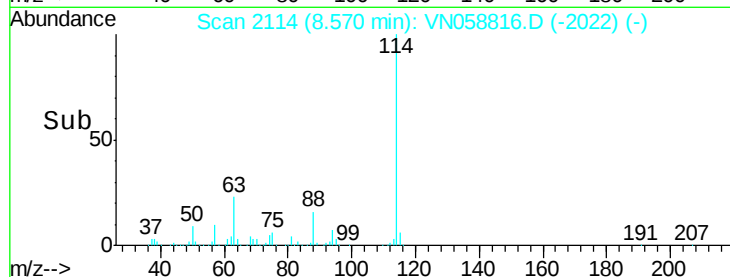
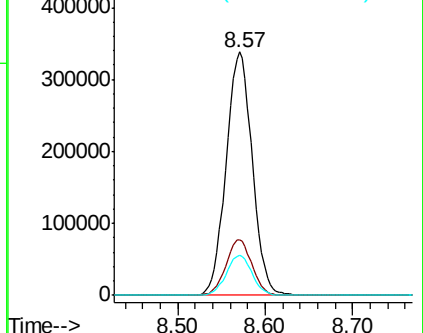
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	43.8
88	16.3	0.0	32.0

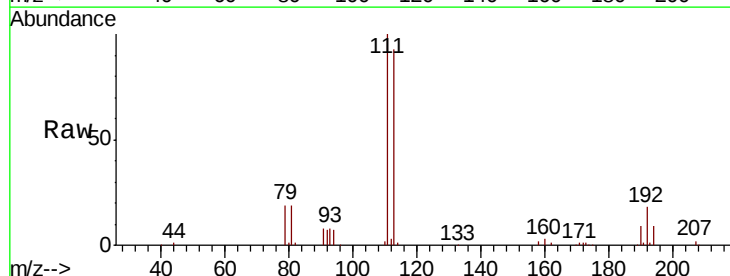


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

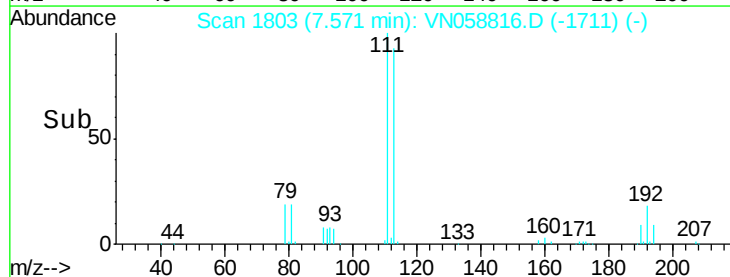
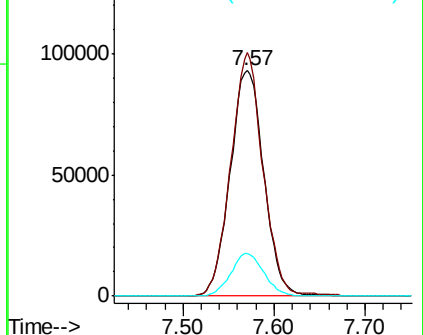


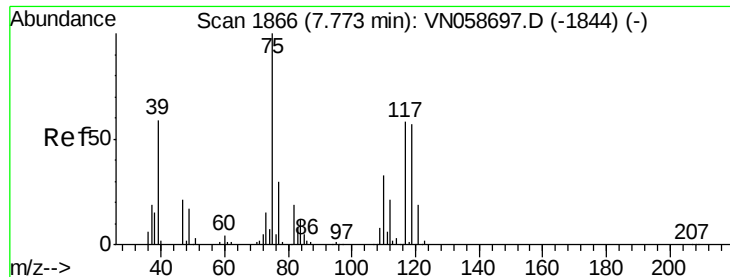
#35
 Dibromofluoromethane
 Concen: 55.419 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

Tgt Ion	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

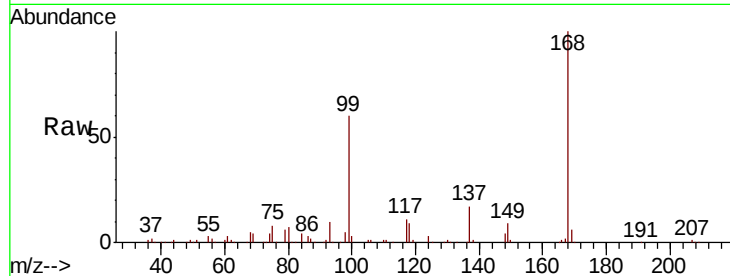




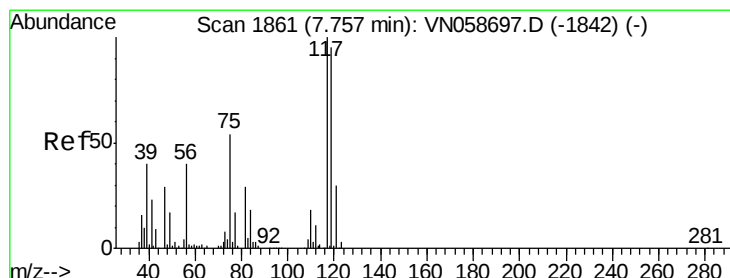
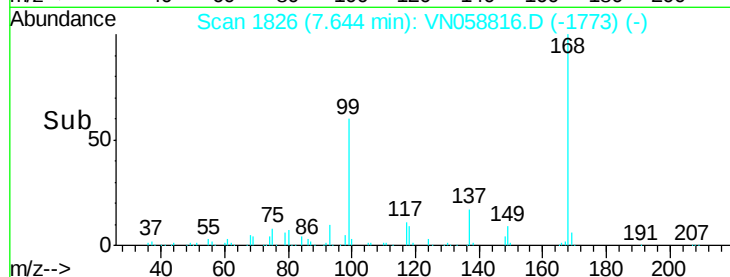
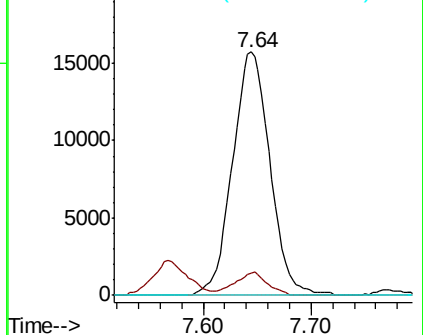
#36
 1,1-Dichloropropene
 Concen: 5.354 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBL01

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

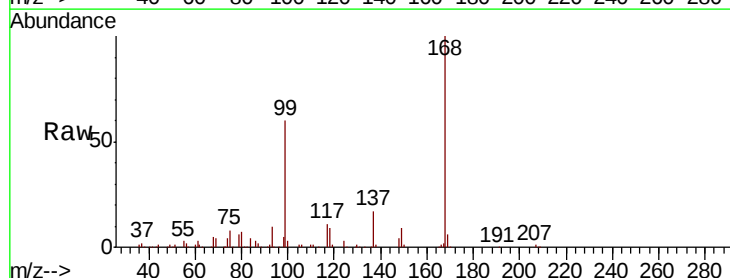


Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-1844) (-)
 Ion 109.90 (109.60 to 110.60): VN058697.D (-1844) (-)
 Ion 76.90 (76.60 to 77.60): VN058697.D (-1844) (-)

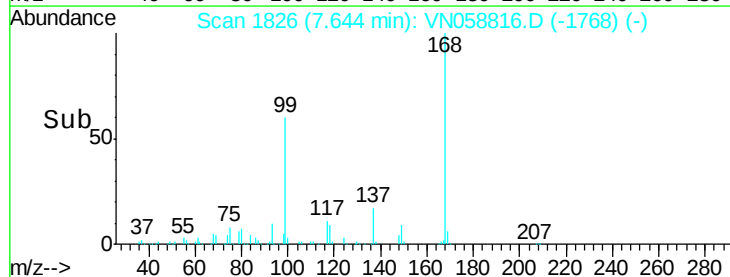
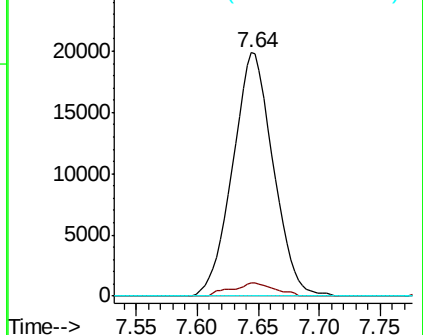


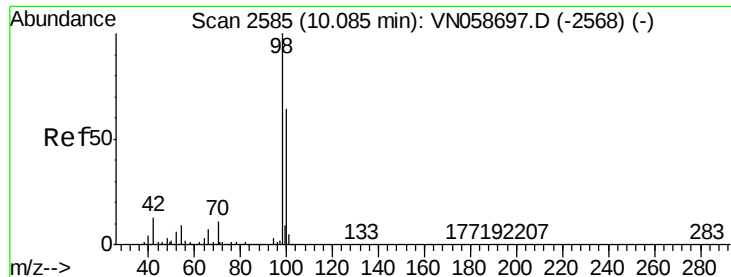
#38
 Carbon Tetrachloride
 Concen: 6.618 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN058816.D
 Acq: 17 Oct 2019 10:45

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



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-1842) (-)
 Ion 118.80 (118.50 to 119.50): VN058697.D (-1842) (-)
 Ion 120.80 (120.50 to 121.50): VN058697.D (-1842) (-)





#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 :

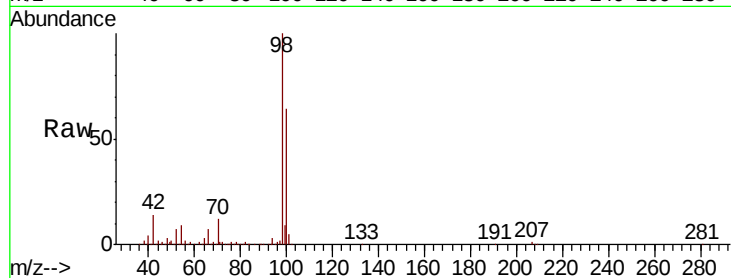
VN1017WBL01

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

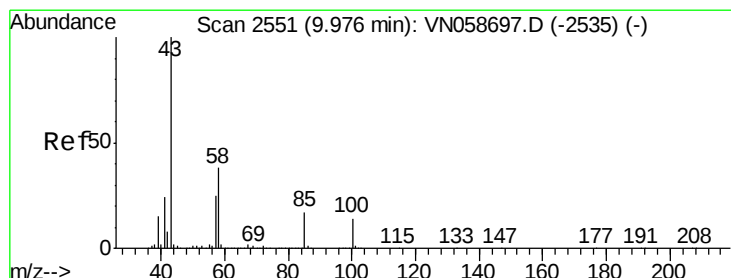
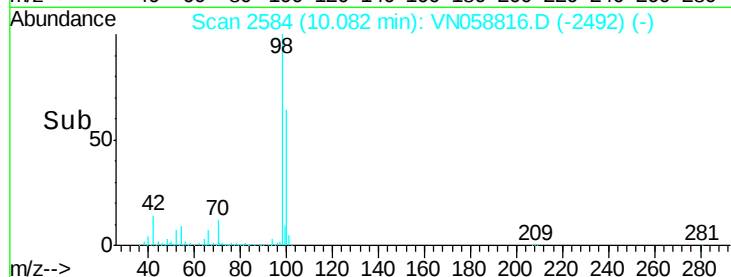
300000

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

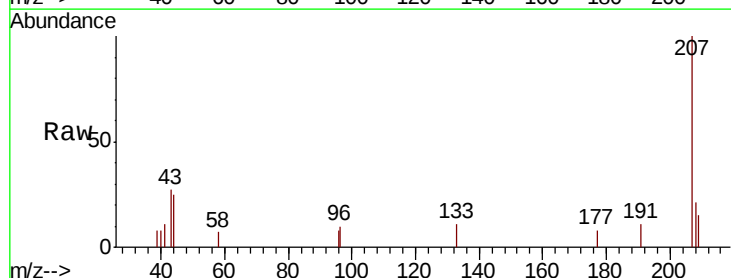
Acq: 17 Oct 2019 10:45

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

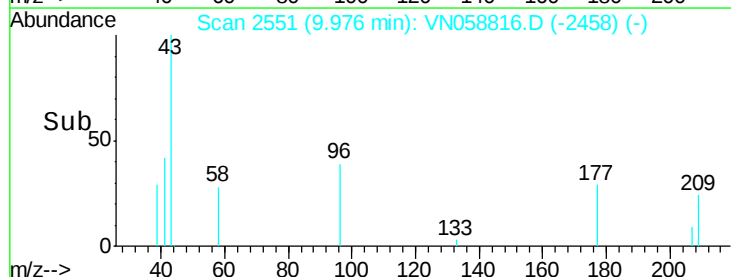
600

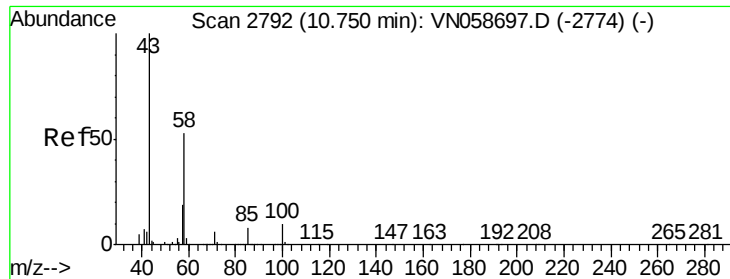
400

200

0

Time-->

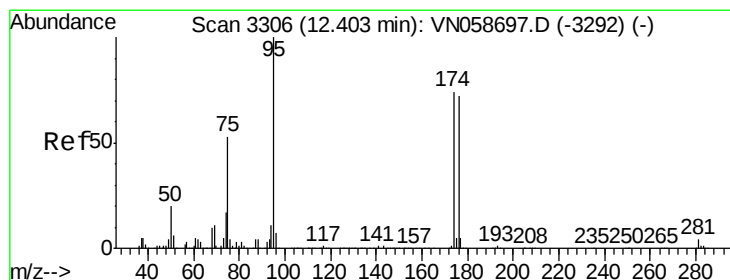
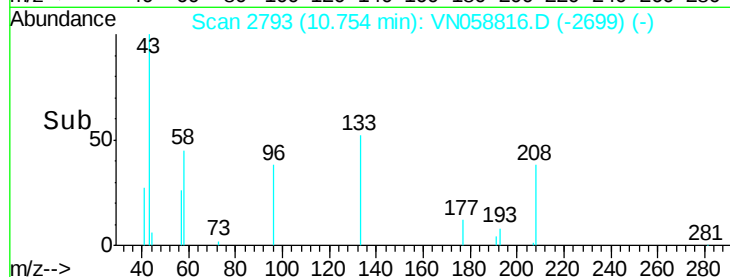
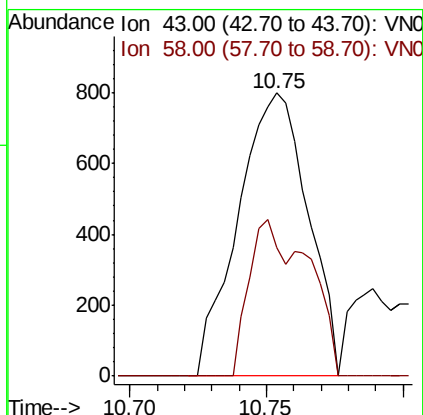
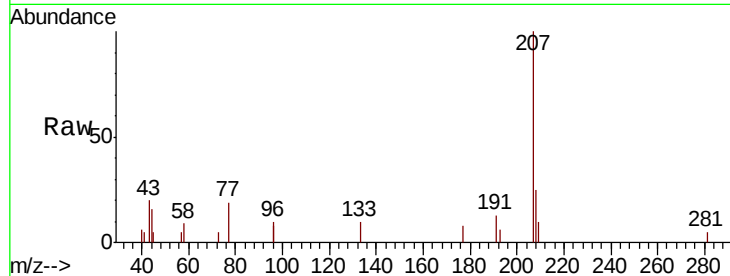




#59
2-Hexanone
Concen: 0.267 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

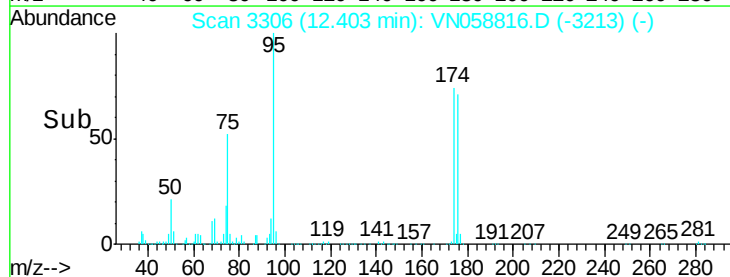
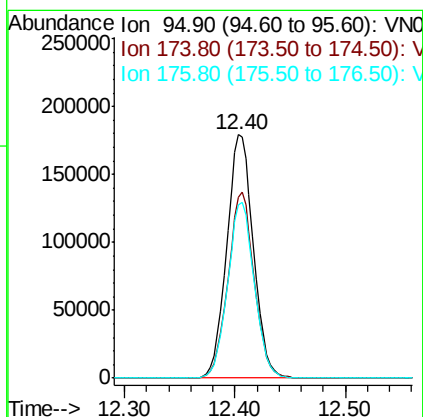
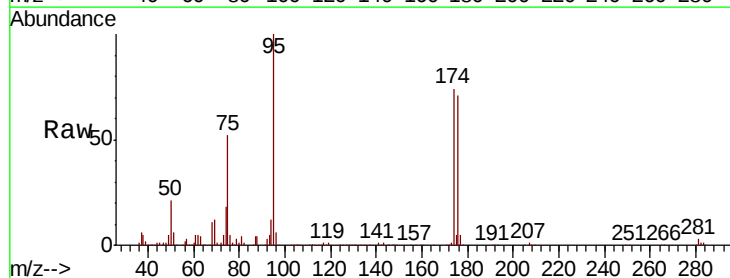
Instrument :
MSVOA_N
ClientSampled :
VN1017WBL01

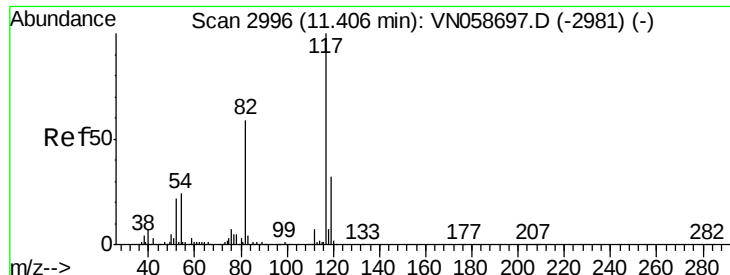
Tot Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 27.1 26.1 78.3



#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

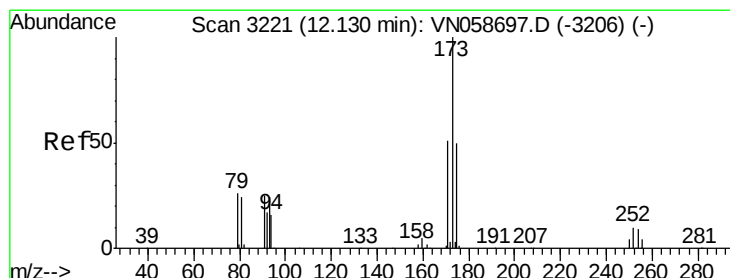
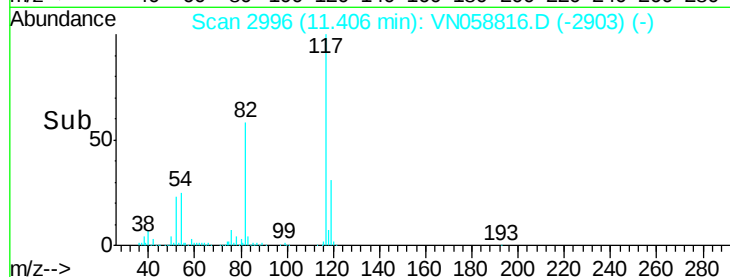
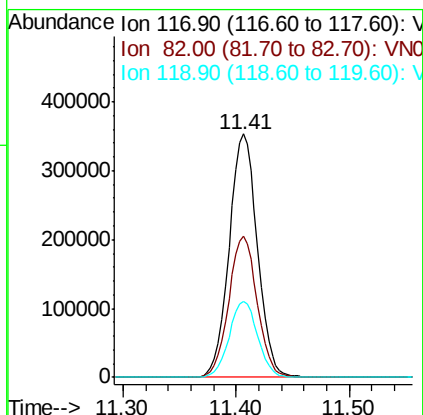
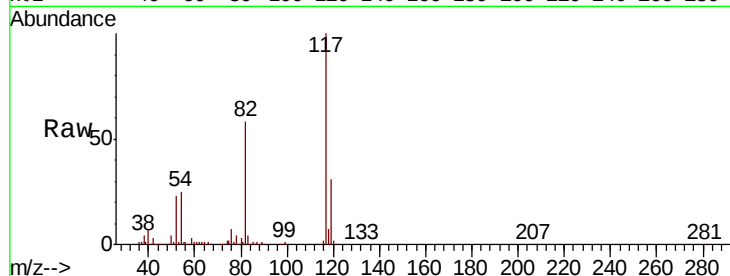




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

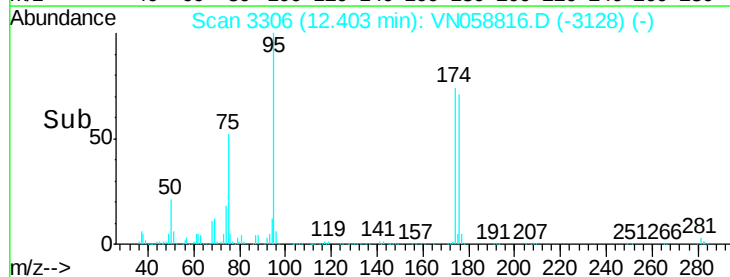
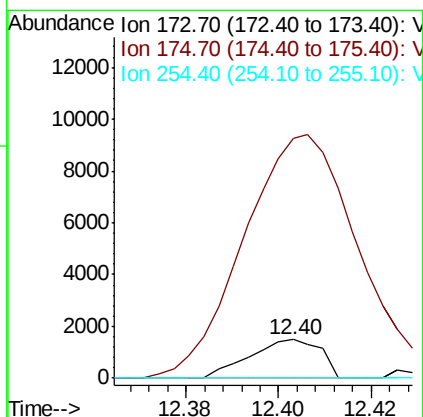
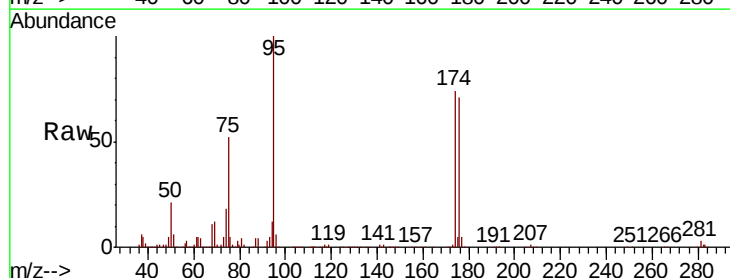
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

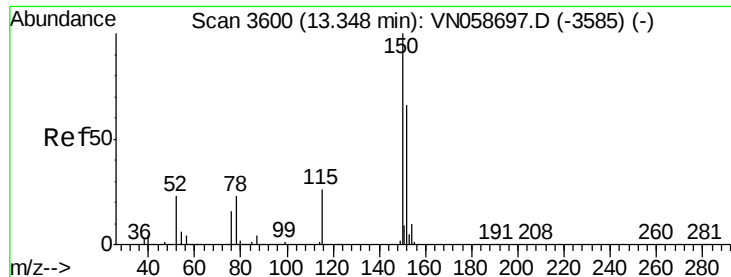
Tot Ion:117 Resp: 613858
Ion Ratio Lower Upper
117 100
82 57.8 47.0 70.4
119 31.2 25.4 38.2



#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

ClientSampleId :

VN1017WBL01

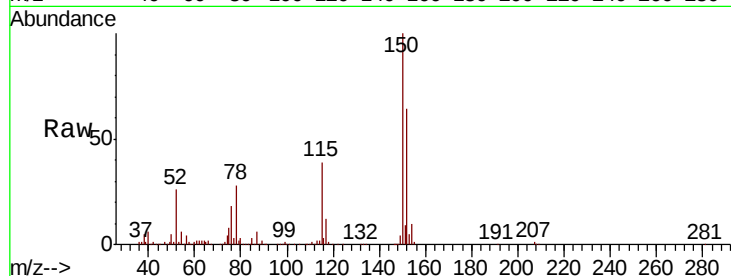
Tot Ion:152 Resp: 235347

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

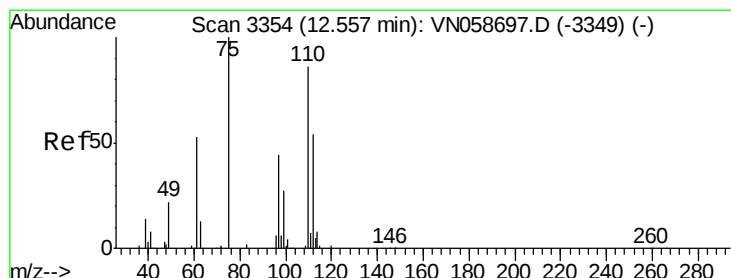
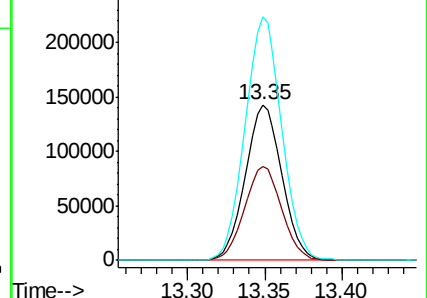
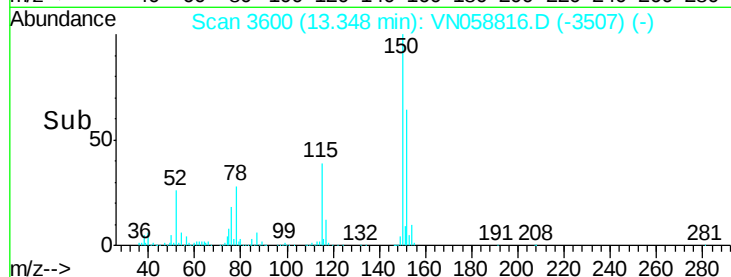
150 157.3 0.0 345.4



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

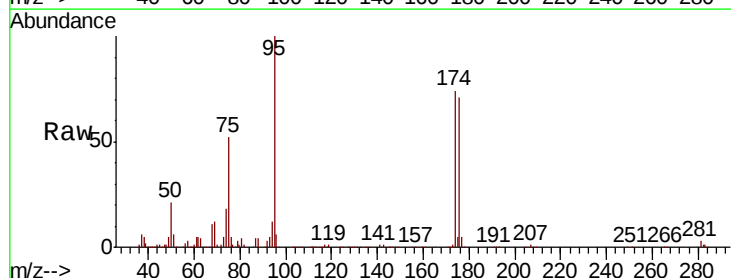
Acq: 17 Oct 2019 10:45

Tgt Ion: 75 Resp: 156903

Ion Ratio Lower Upper

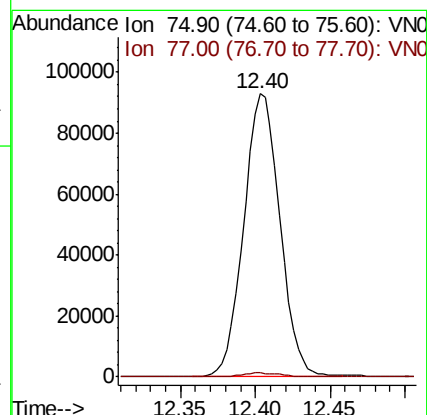
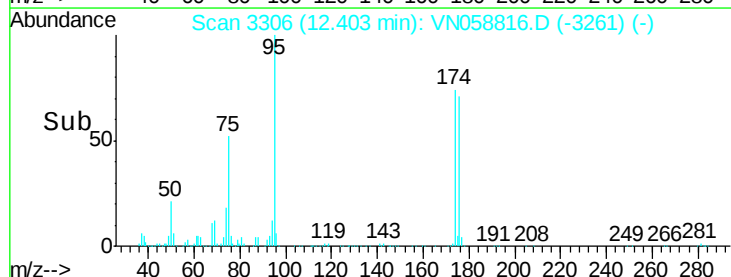
75 100

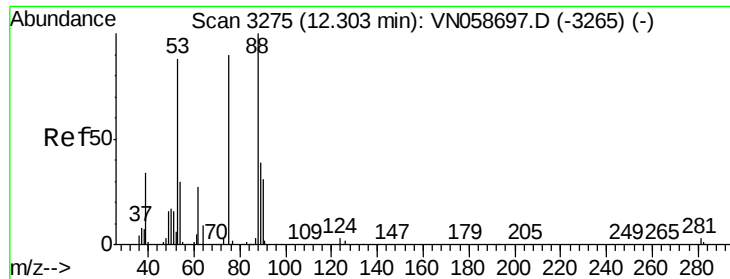
77 1.7 0.0 0.0#



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 :

VN1017WBL01

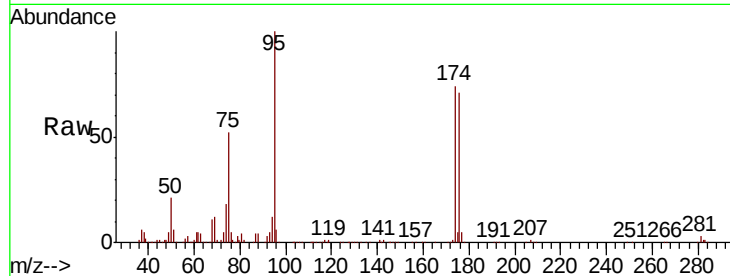
Tot Ion: 75 Resp: 156903

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

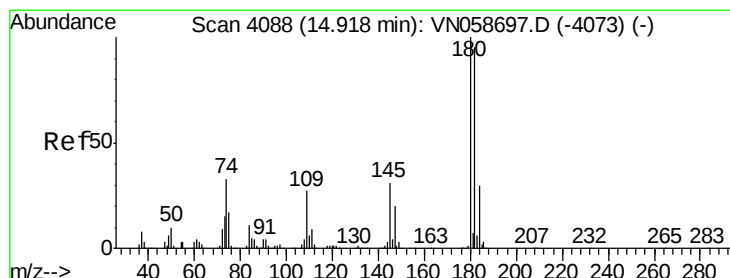
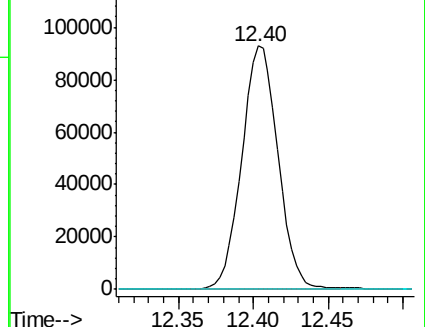
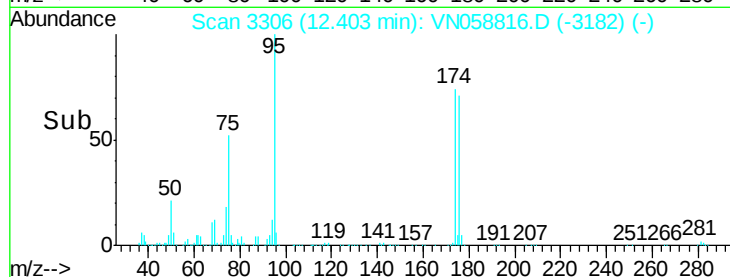
89 0.0 34.9 52.3#



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

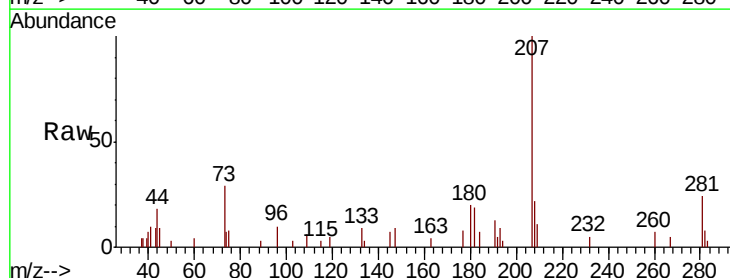
Tgt Ion: 180 Resp: 1657

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.2

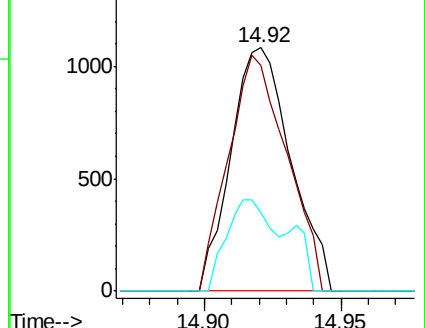
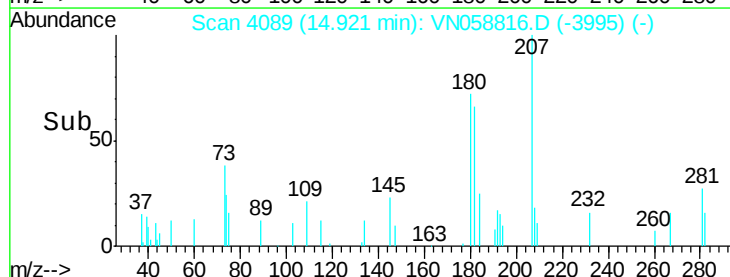
145 28.2 15.4 46.2

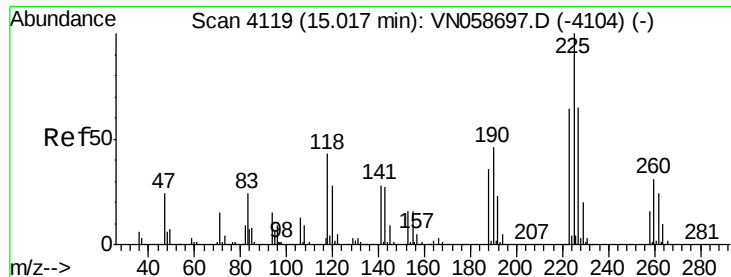


Abundance Ion 179.80 (179.50 to 180.50): VN058816.D (-3995) (-)

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

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

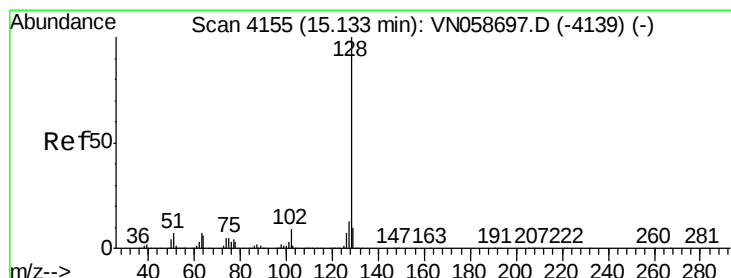
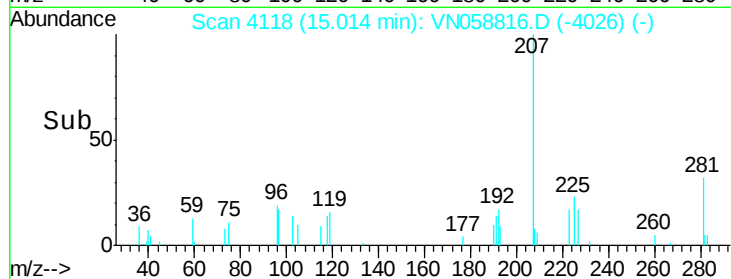
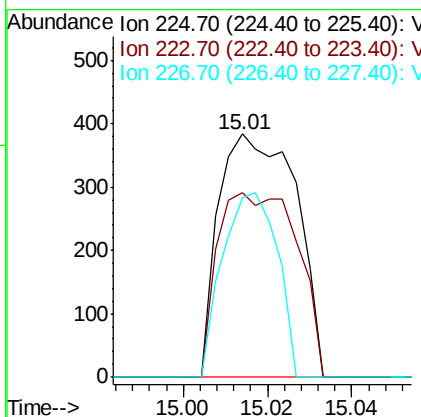
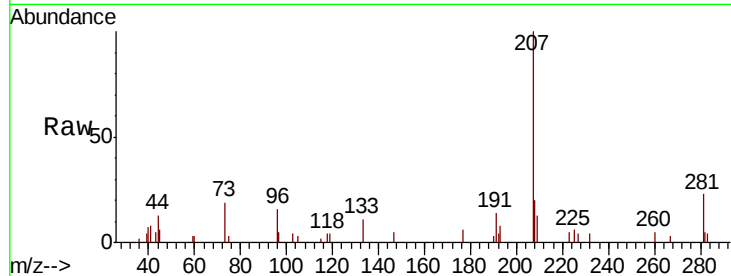




#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN058816.D
Acq: 17 Oct 2019 10:45

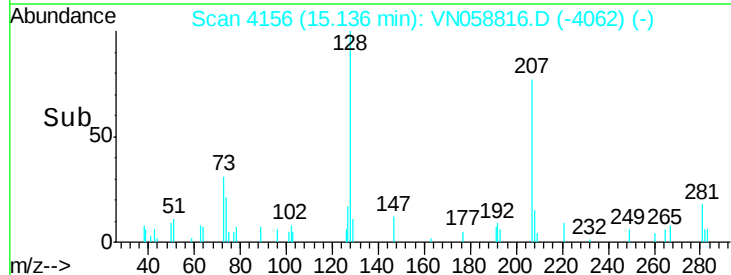
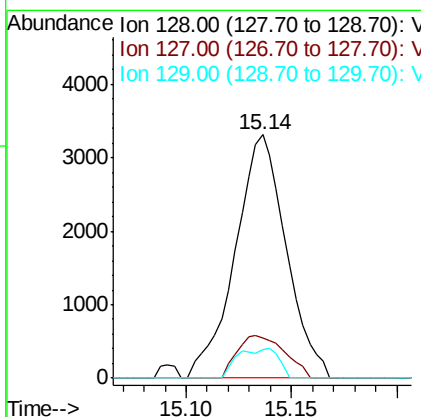
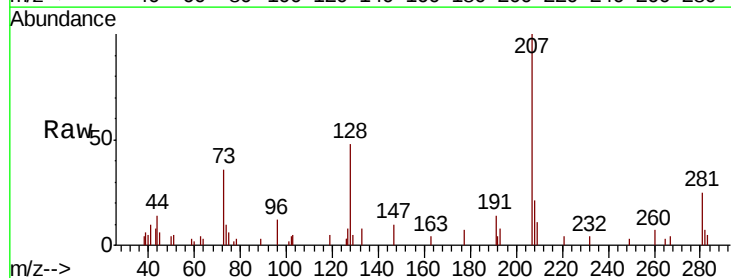
Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

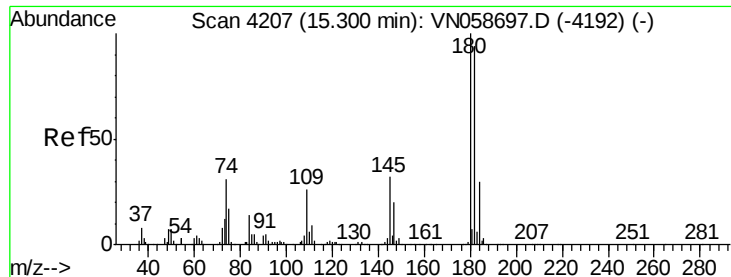
Tot Ion:225 Resp: 488
Ion Ratio Lower Upper
225 100
223 78.1 32.3 96.8
227 54.1 32.4 97.0



#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





#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 :
 VN1017WBL01

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

