

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058283.D
 Acq On : 23 Sep 2019 11:51
 Operator : JC/SP
 Sample : K4662-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-091819

Quant Time: Sep 23 13:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	460868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	658772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267043	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	338627	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	7.58	113	233708	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	10.08	98	963501	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.41	95	311710	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	280	Below Cal	#	42
5) Bromomethane	2.56	94	514	1.022	ug/l #	74
6) Chloroethane	2.69	64	139	Below Cal	#	44
16) Acetone	3.80	43	62718	28.785	ug/l	98
17) Carbon Disulfide	4.02	76	1048	0.533	ug/l #	60
18) Methyl Acetate	4.31	43	4138	0.722	ug/l #	86
20) Methylene Chloride	4.53	84	71051	18.486	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	32	Below Cal	#	1
29) Tetrahydrofuran	7.20	42	1083	0.592	ug/l #	73
31) Cyclohexane	7.65	56	11851	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	39498	7.296	ug/l #	52
38) Carbon Tetrachloride	7.65	117	47559	8.739	ug/l #	15
40) Benzene	8.02	78	4338	0.262	ug/l #	88
41) Methacrylonitrile	7.18	41	163	0.967	ug/l #	100
43) Isopropyl Acetate	8.15	43	103894	9.901	ug/l #	91
44) Trichloroethene	8.82	130	888	0.219	ug/l	63
45) 1,2-Dichloropropane	9.26	63	2262	0.458	ug/l #	45
48) Methyl methacrylate	9.17	41	6331	1.329	ug/l #	14
49) 1,4-Dioxane	9.27	88	143	1.828	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	9130	1.638	ug/l	94
52) Toluene	10.15	92	15391	1.485	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	43894	6.170	ug/l #	66
57) 1,3-Dichloropropane	10.77	76	7675	0.971	ug/l #	43
59) 2-Hexanone	10.76	43	122195	29.520	ug/l #	54
67) Ethyl Benzene	11.51	91	6082	0.306	ug/l	96
68) m/p-Xylenes	11.62	106	11498	1.538	ug/l	96
69) o-Xylene	11.95	106	4474	0.608	ug/l	95
71) Bromoform	12.40	173	322	3.691	ug/l #	29
74) N-amyl acetate	12.04	43	3186	0.456	ug/l #	54
76) 1,2,3-Trichloropropane	12.41	75	175548	36.731	ug/l #	100
78) n-propylbenzene	12.60	91	4173	0.220	ug/l	81
80) 1,3,5-Trimethylbenzene	12.74	105	10745	0.760	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	175548	102.465	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.05	105	15626	1.111	ug/l	96

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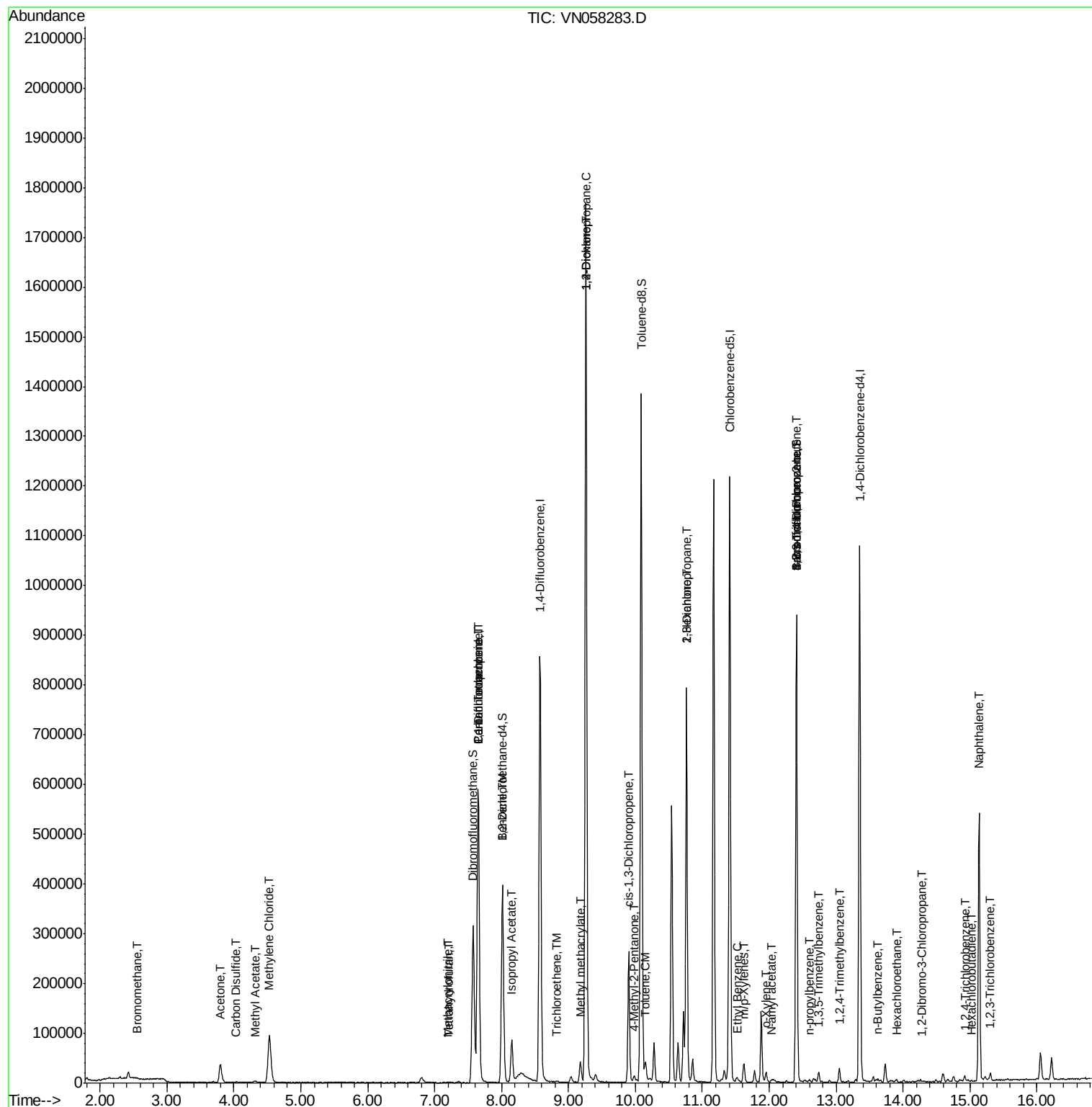
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.63	91	3903	0.281	ug/l	96
90) Hexachloroethane	13.90	117	372	2.959	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	239	0.237	ug/l #	29
93) 1,2,4-Trichlorobenzene	14.92	180	3502	0.712	ug/l	92
94) Hexachlorobutadiene	15.01	225	537	0.226	ug/l #	56
95) Naphthalene	15.14	128	417839	32.757	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	4156	0.893	ug/l	86

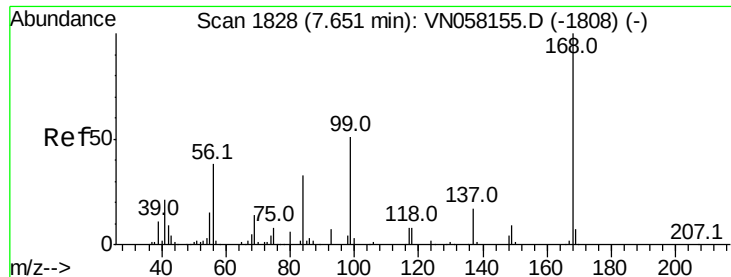
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

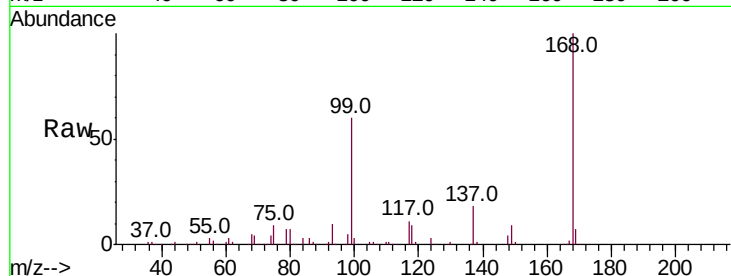
CL-02-091819

Tot Ion:168 Resp: 460868

Ion Ratio Lower Upper

168 100

99 59.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

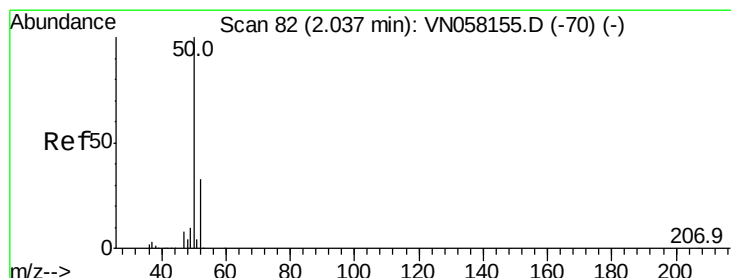
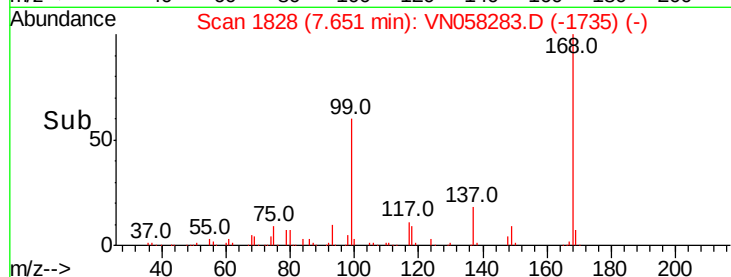
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058283.D

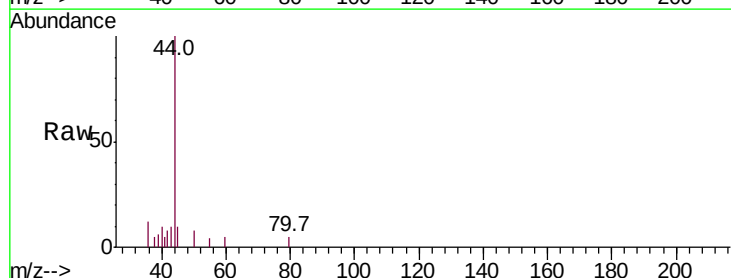
Acq: 23 Sep 2019 11:51

Tgt Ion: 50 Resp: 280

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

400

300

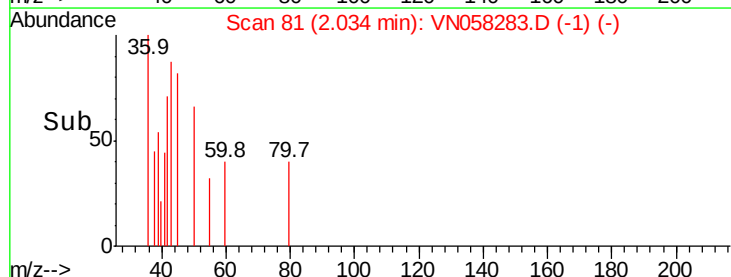
200

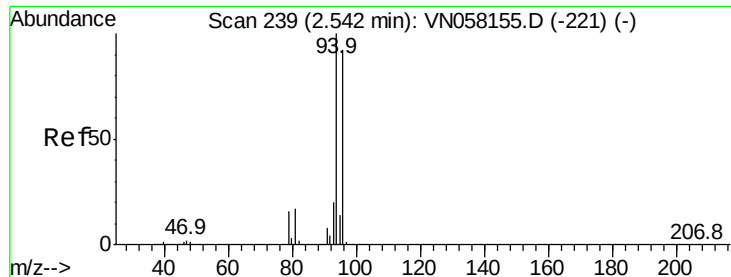
100

0

2.02 2.03 2.04

Time-->





#5

Bromomethane

Concen: 1.022 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

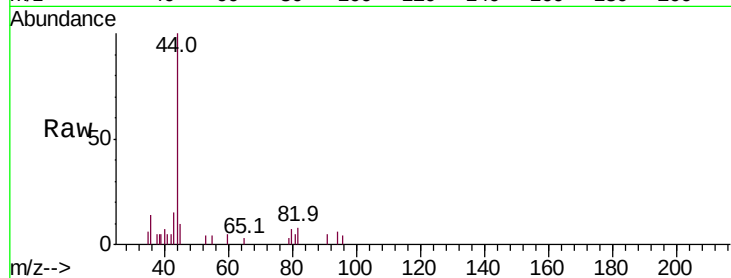
CL-02-091819

Tot Ion: 94 Resp: 514

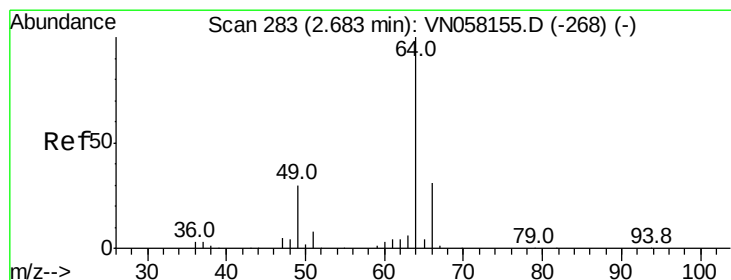
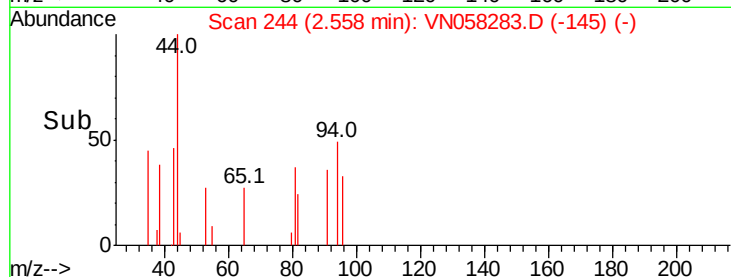
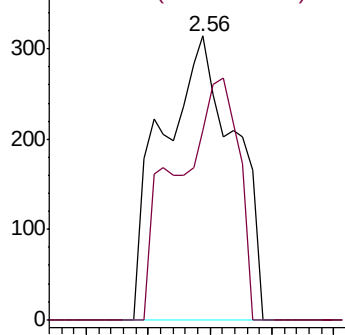
Ion Ratio Lower Upper

94 100

96 66.9 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058283.D

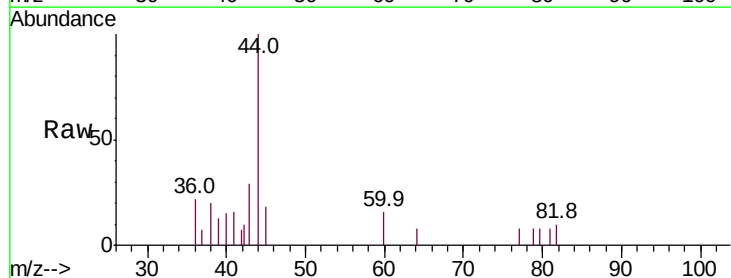
Acq: 23 Sep 2019 11:51

Tgt Ion: 64 Resp: 139

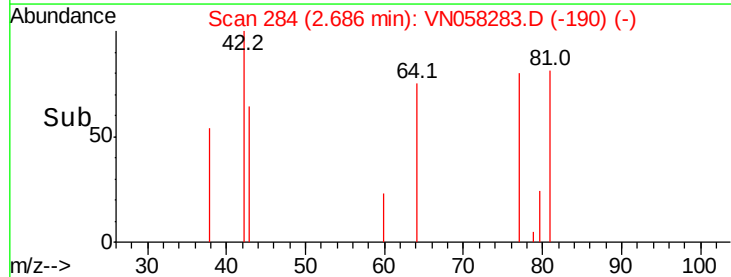
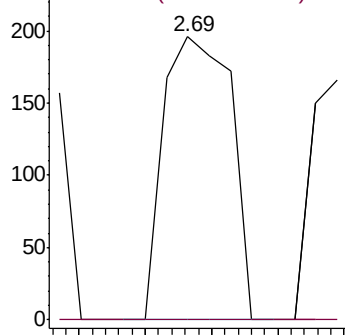
Ion Ratio Lower Upper

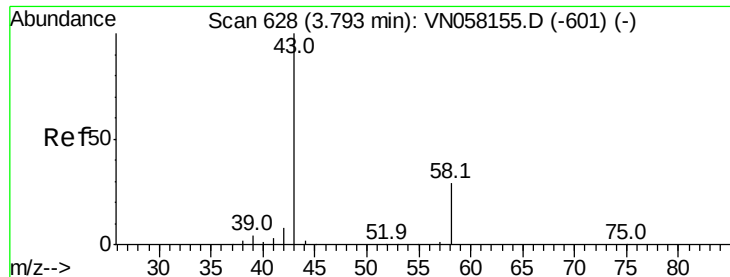
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#16

Acetone

Concen: 28.785 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

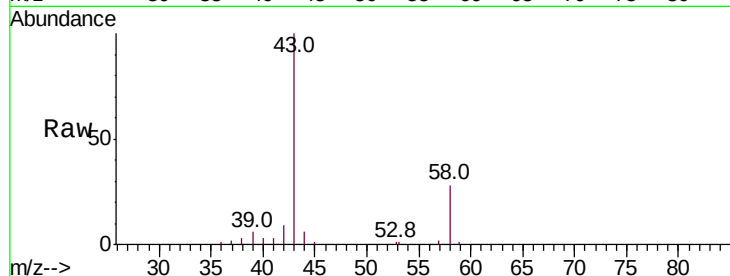
CL-02-091819

Tot Ion: 43 Resp: 62718

Ion Ratio Lower Upper

43 100

58 28.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058283.D (-629) (-)

Ion 58.00 (57.70 to 58.70): VN058283.D (-629) (-)

3.80

25000

20000

15000

10000

5000

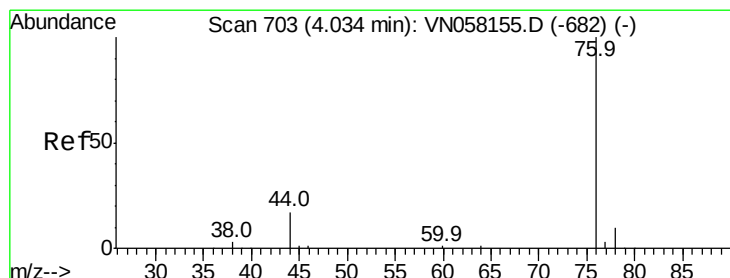
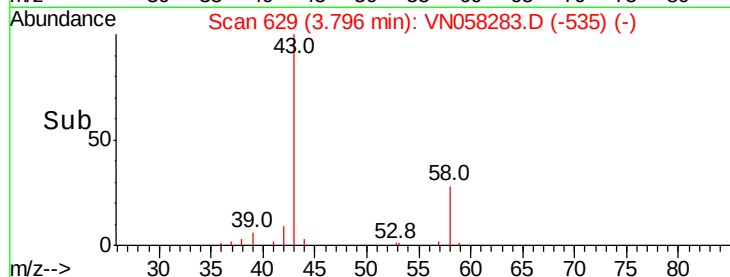
0

Time-->

3.70

3.80

3.90



#17

Carbon Disulfide

Concen: 0.533 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058283.D

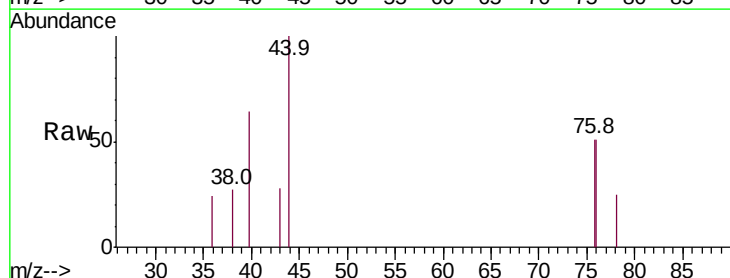
Acq: 23 Sep 2019 11:51

Tgt Ion: 76 Resp: 1048

Ion Ratio Lower Upper

76 100

78 24.4 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN058283.D (-703) (-)

Ion 77.90 (77.60 to 78.60): VN058283.D (-703) (-)

4.02

800

600

400

200

0

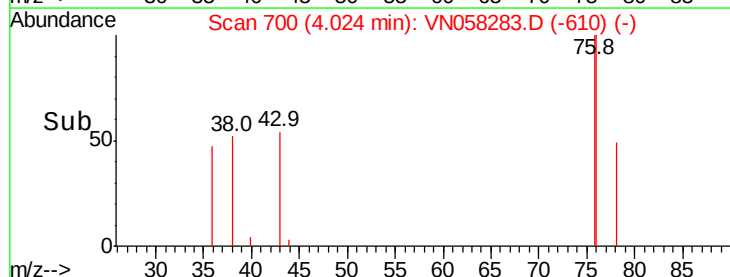
Time-->

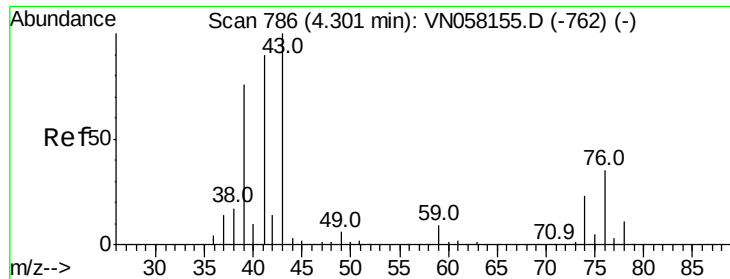
4.00

4.02

4.04

4.06





#18

Methyl Acetate

Concen: 0.722 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

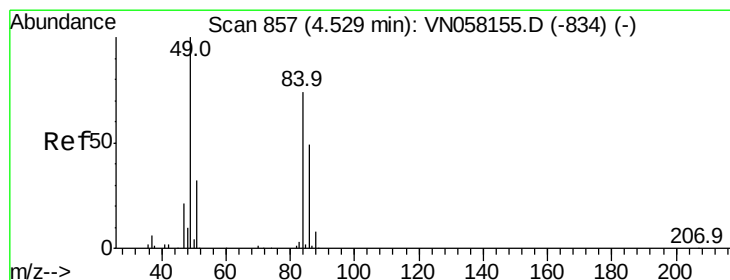
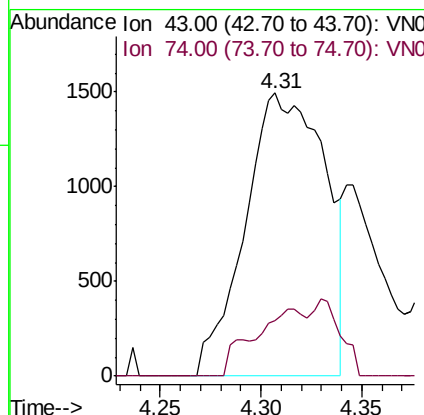
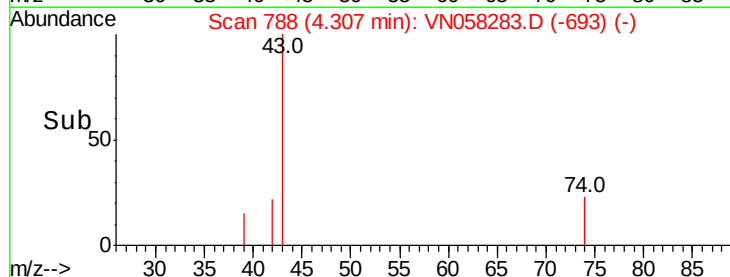
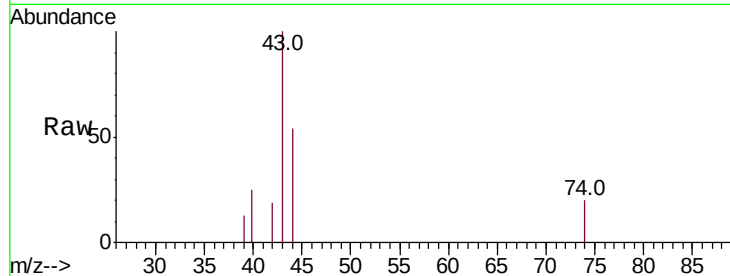
CL-02-091819

Tot Ion: 43 Resp: 4138

Ion Ratio Lower Upper

43 100

74 15.8 18.0 27.0#



#20

Methylene Chloride

Concen: 18.486 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Tgt Ion: 84 Resp: 71051

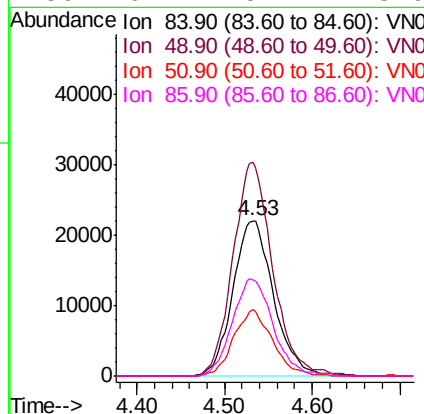
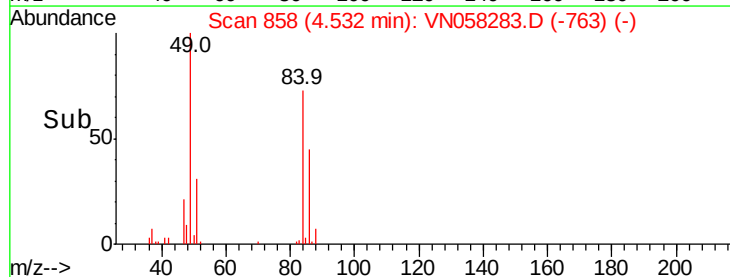
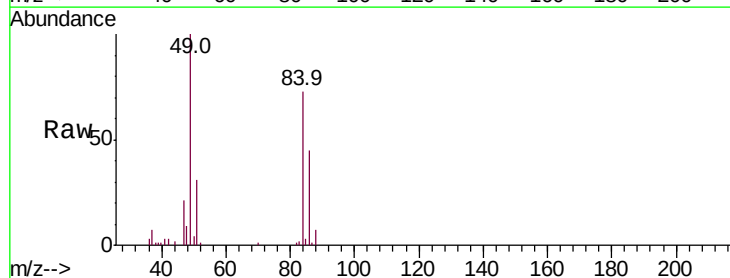
Ion Ratio Lower Upper

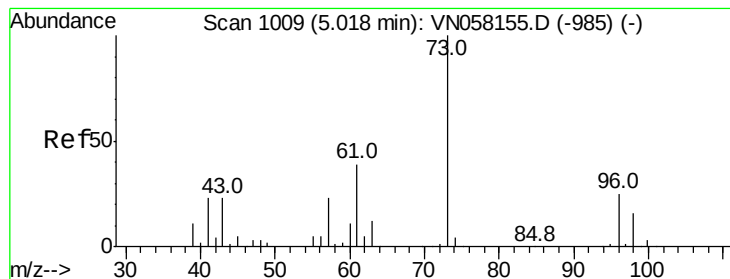
84 100

49 137.7 107.5 161.3

51 43.2 33.9 50.9

86 62.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

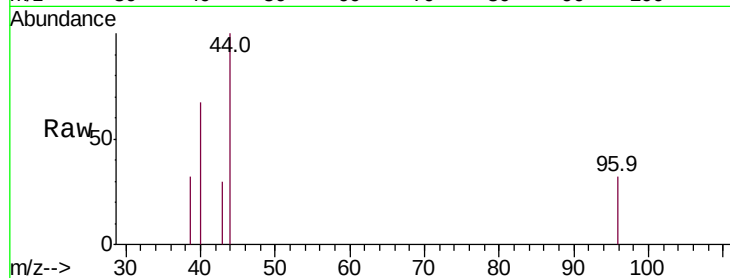
Tot Ion: 96 Resp: 32

Ion Ratio Lower Upper

96 100

61 0.0 122.2 183.4#

98 0.0 49.9 74.9#

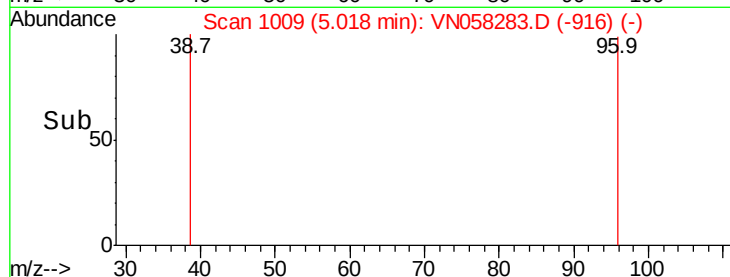


Abundance Ion 95.90 (95.60 to 96.60): VN0

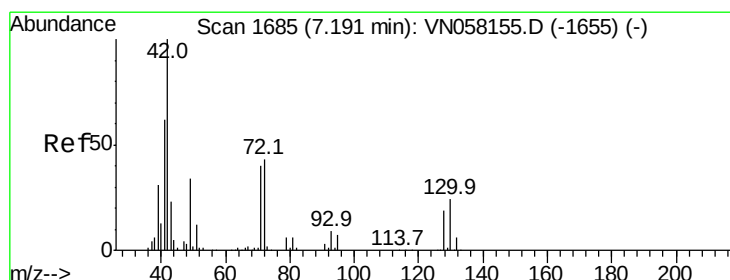
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 0.592 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

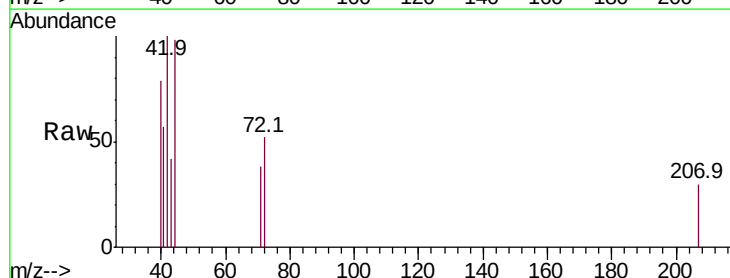
Tgt Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 27.8 33.8 50.6#

71 20.2 31.4 47.0#

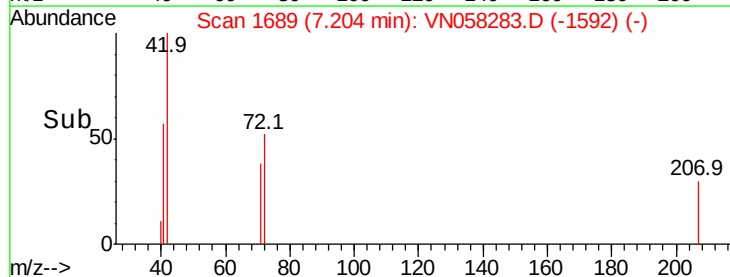


Abundance Ion 42.00 (41.70 to 42.70): VN0

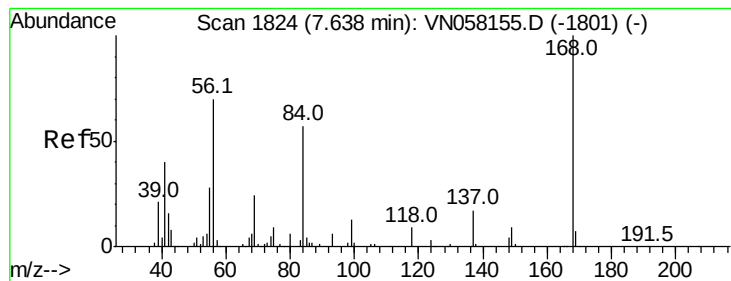
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

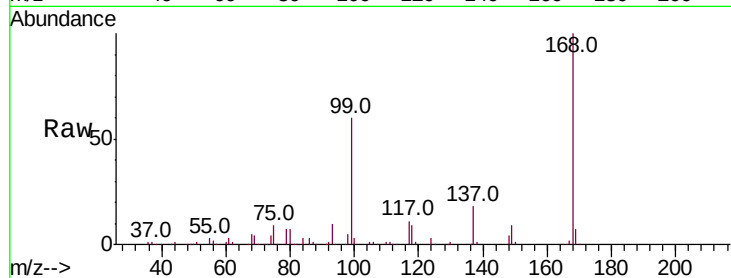
Tot Ion: 56 Resp: 11851

Ion Ratio Lower Upper

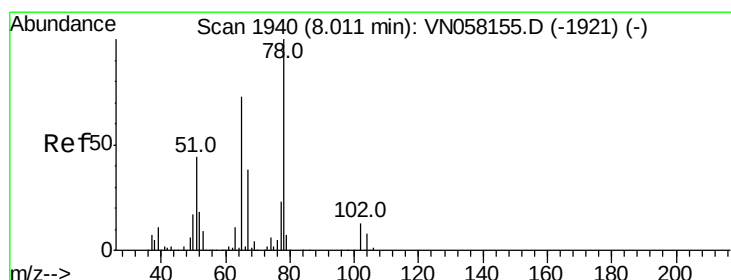
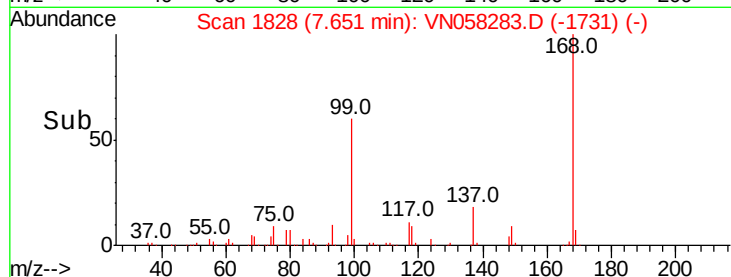
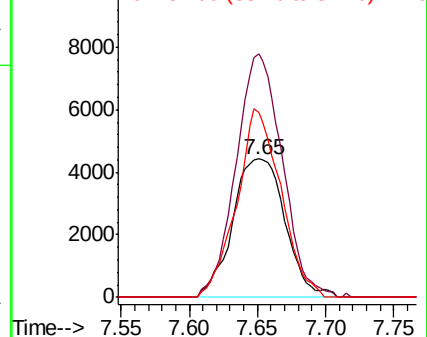
56 100

69 176.2 27.3 40.9#

84 133.8 65.0 97.4#



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: 52.754 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058283.D

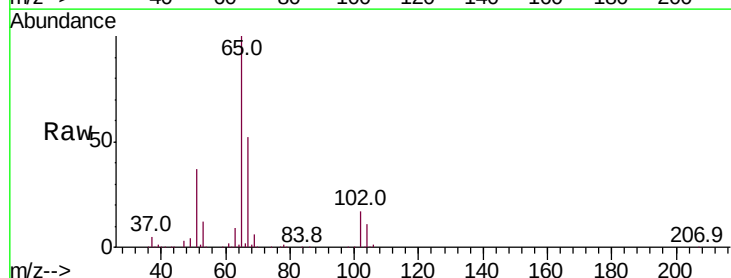
Acq: 23 Sep 2019 11:51

Tgt Ion: 65 Resp: 338627

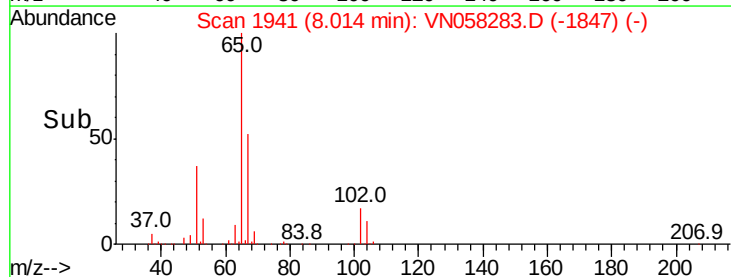
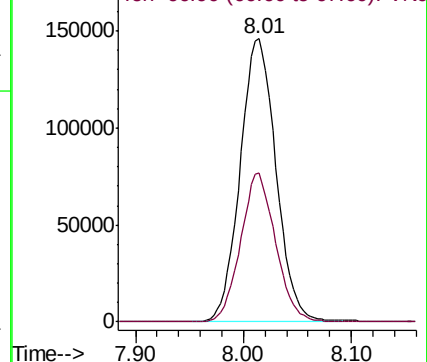
Ion Ratio Lower Upper

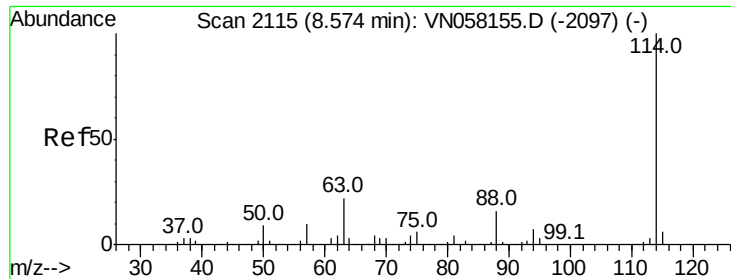
65 100

67 51.2 0.0 103.4



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

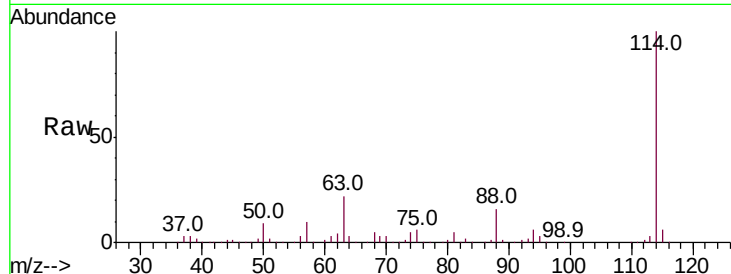




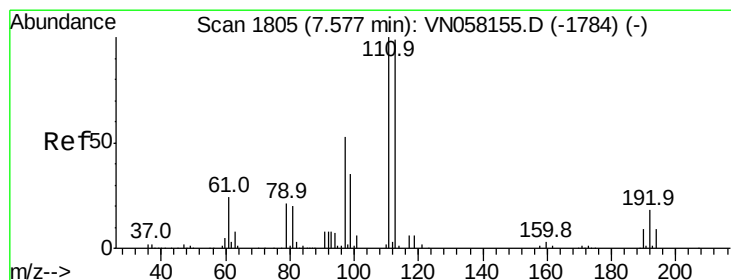
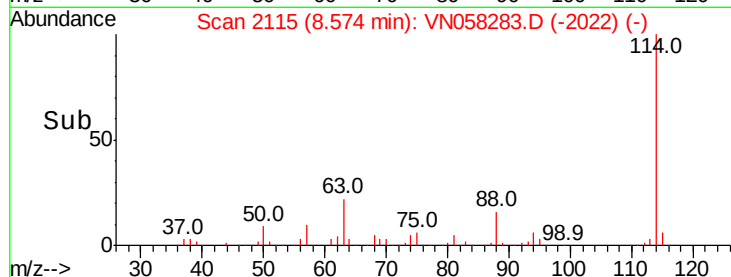
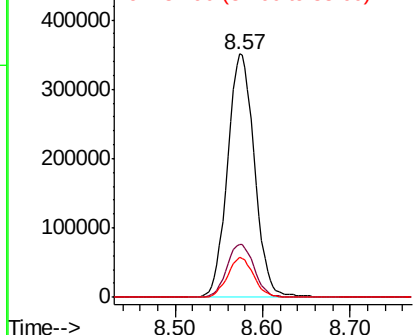
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-091819

Tot Ion:	114	Resp:	750744
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.2
88	16.4	0.0	31.6

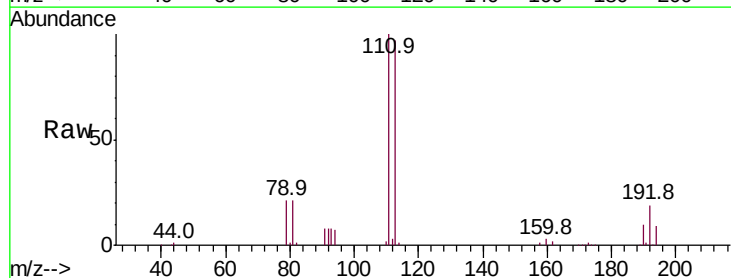


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

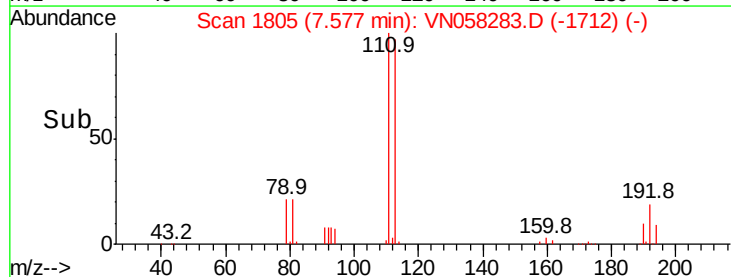
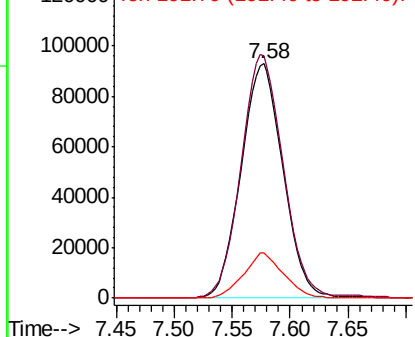


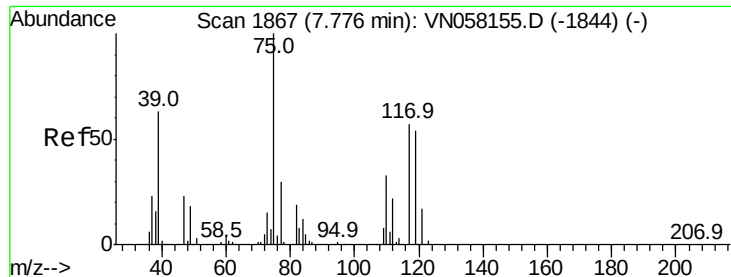
#35
 Dibromofluoromethane
 Concen: 51.208 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Tgt Ion:	113	Resp:	233708
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.4	14.5	21.7



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: 7.296 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

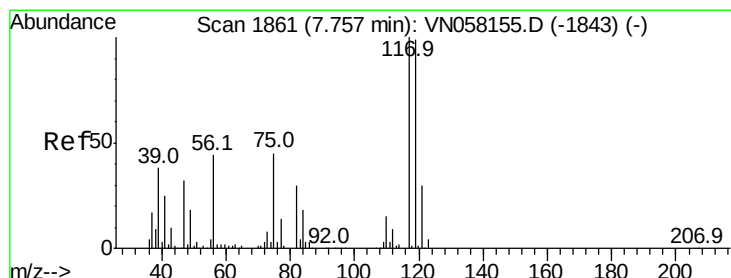
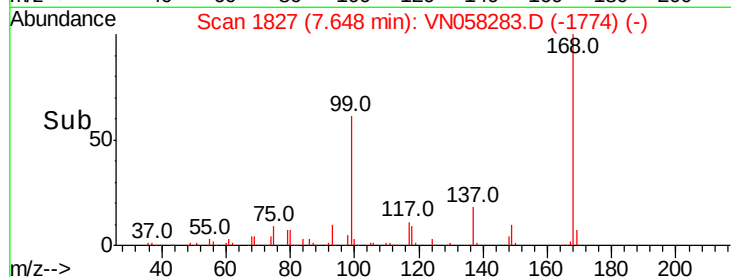
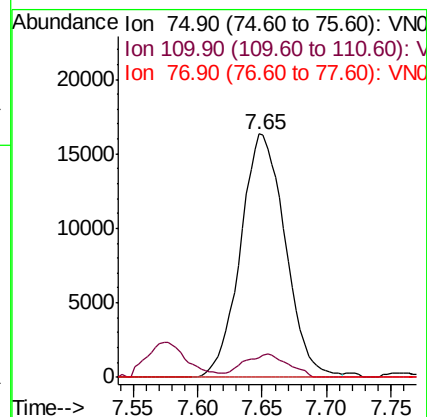
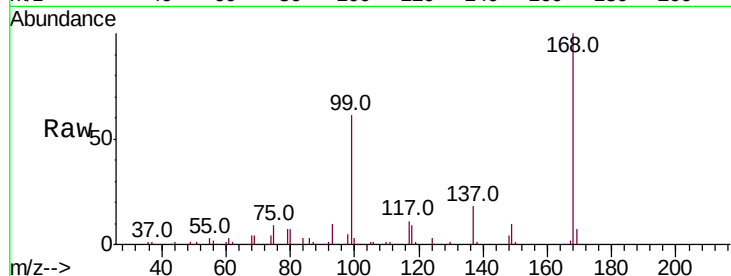
Tot Ion: 75 Resp: 39498

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.7#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 8.739 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

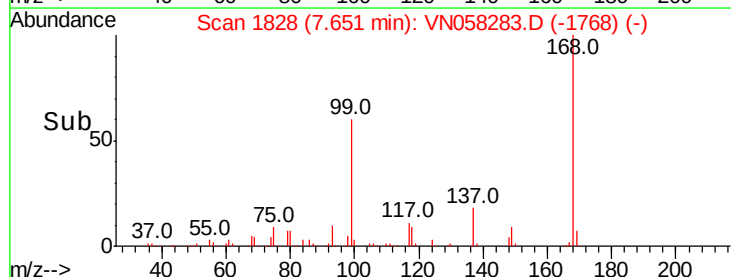
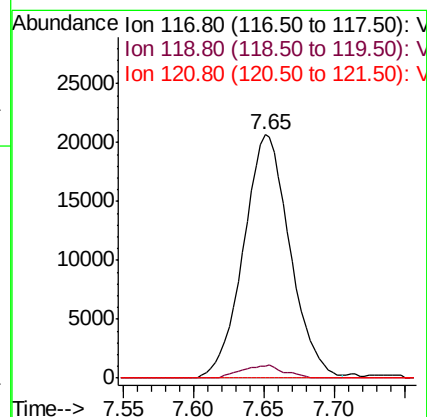
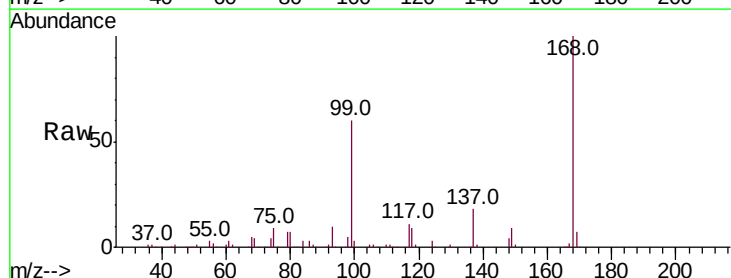
Tgt Ion: 117 Resp: 47559

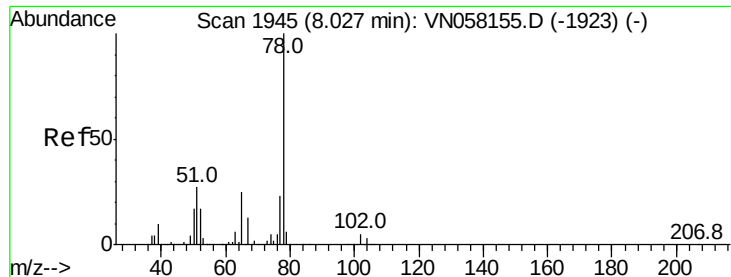
Ion Ratio Lower Upper

117 100

119 5.1 78.6 117.8#

121 0.0 24.1 36.1#





#40

Benzene

Concen: 0.262 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

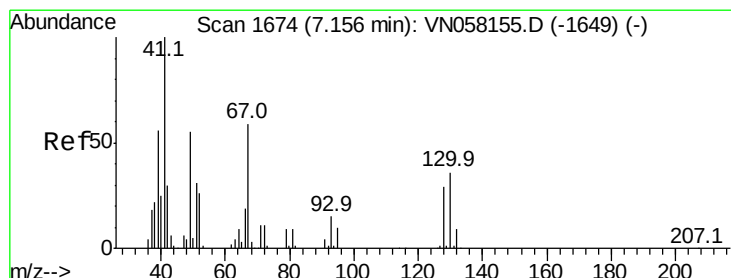
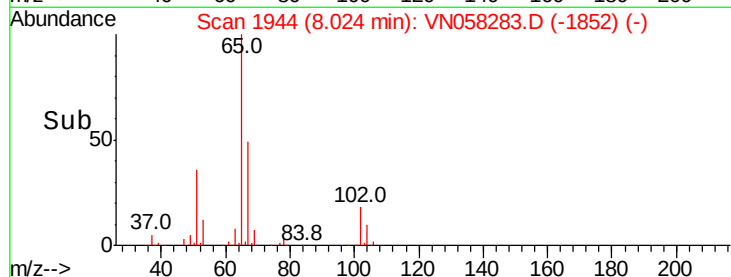
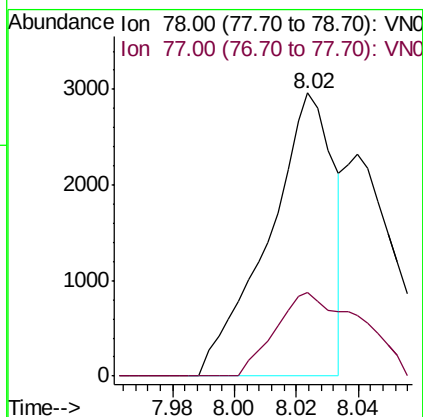
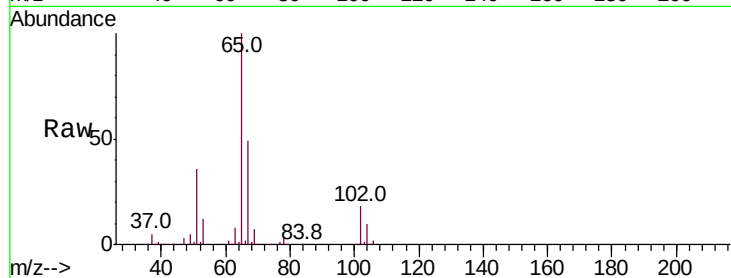
CL-02-091819

Tot Ion: 78 Resp: 4338

Ion Ratio Lower Upper

78 100

77 29.5 18.8 28.2#



#41

Methacrylonitrile

Concen: 0.967 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Tgt Ion: 41 Resp: 163

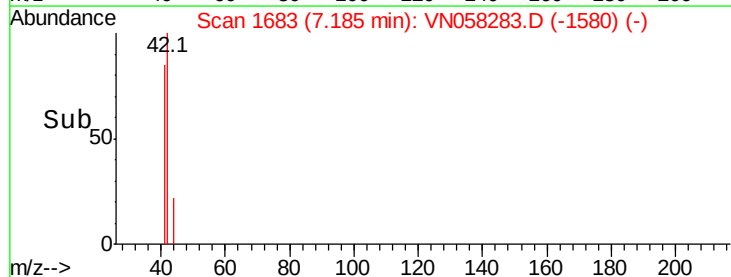
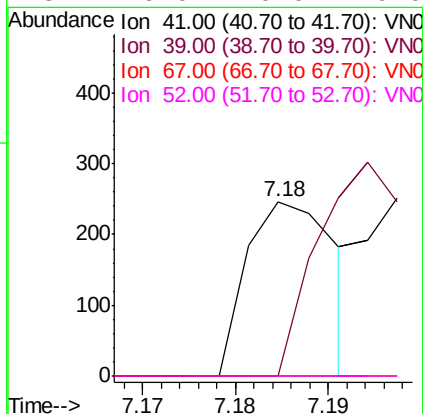
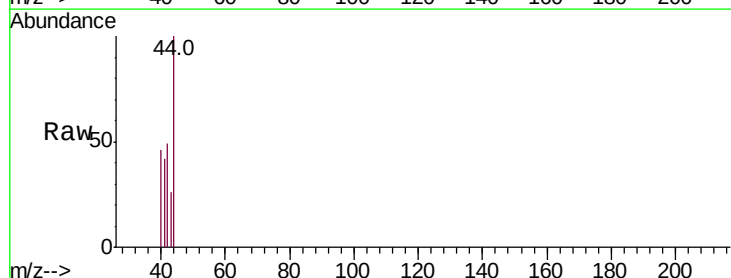
Ion Ratio Lower Upper

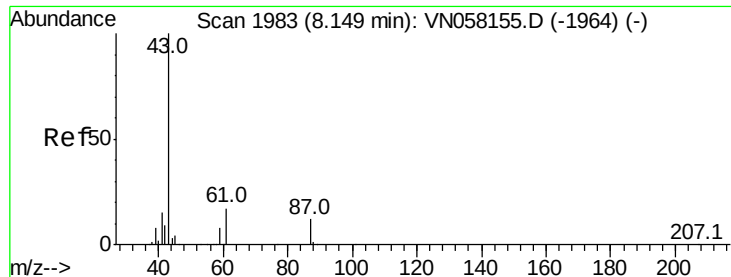
41 100

39 114.7 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 9.901 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

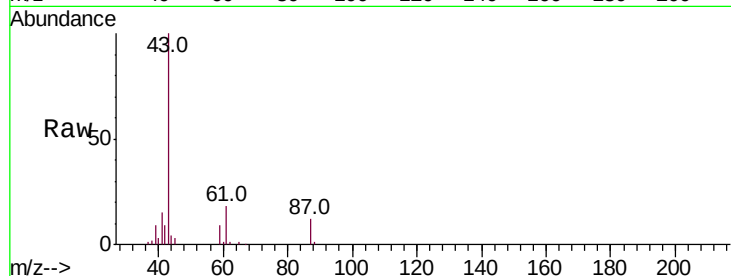
Tot Ion: 43 Resp: 103894

Ion Ratio Lower Upper

43 100

61 18.3 19.7 29.5#

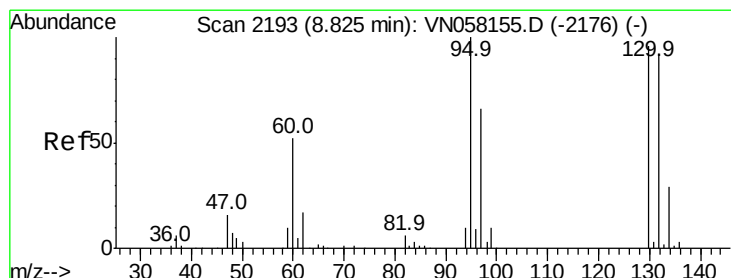
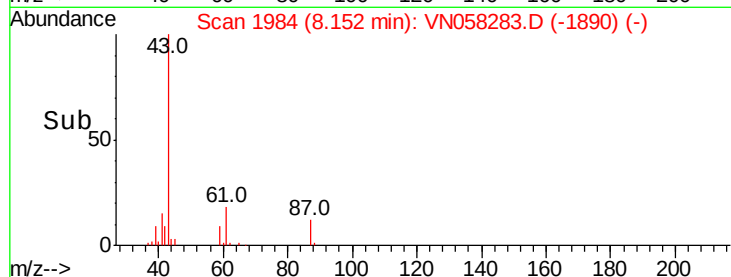
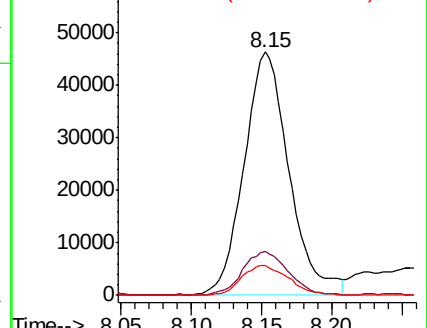
87 12.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 0.219 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058283.D

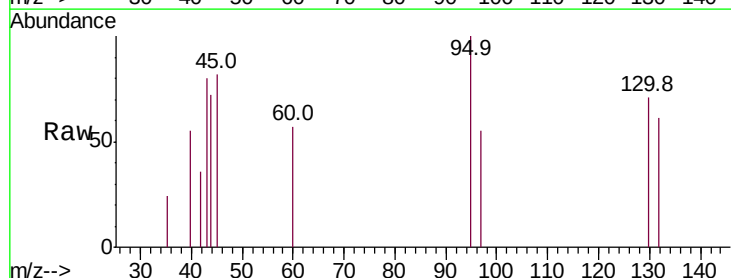
Acq: 23 Sep 2019 11:51

Tgt Ion: 130 Resp: 888

Ion Ratio Lower Upper

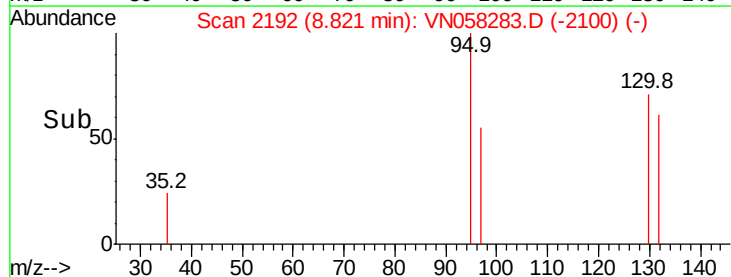
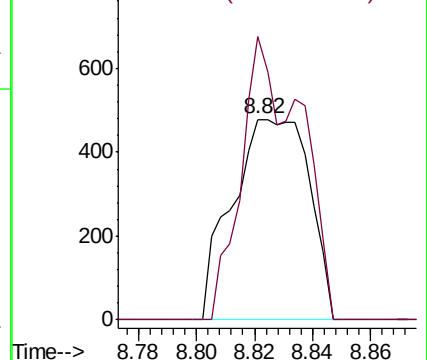
130 100

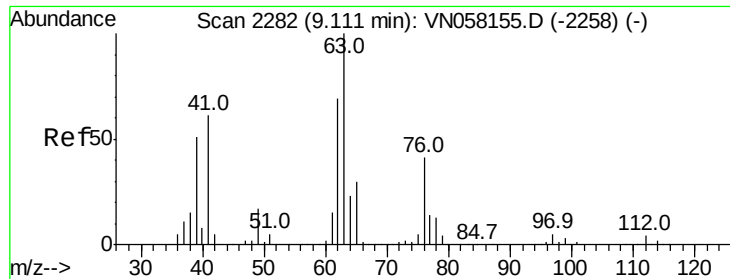
95 141.2 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

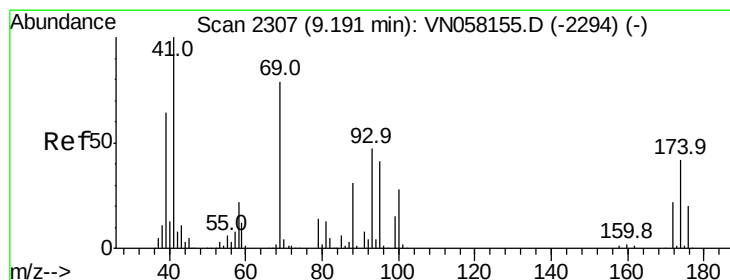
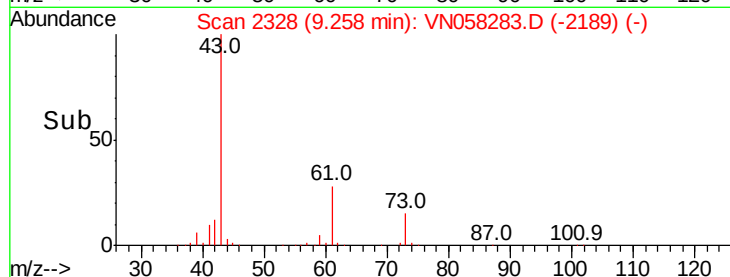
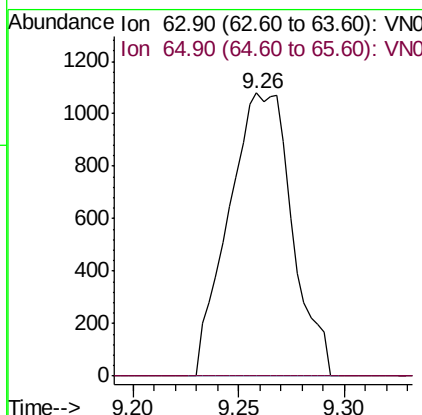
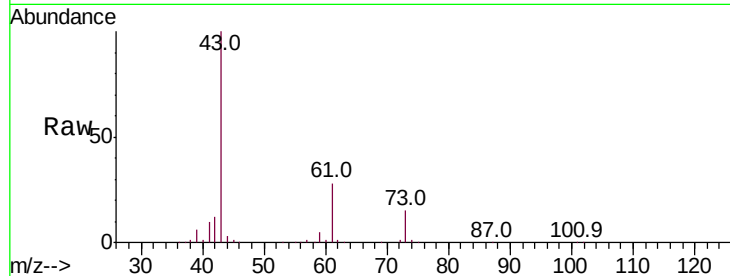




#45
 1,2-Dichloropropane
 Concen: 0.458 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

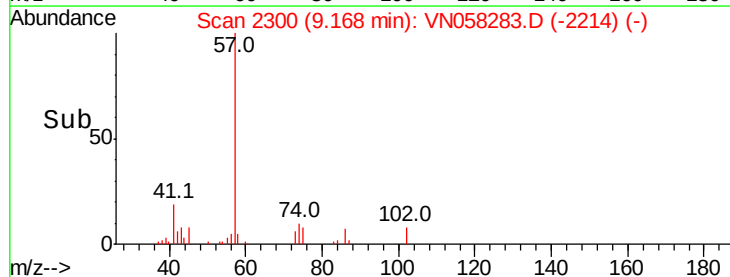
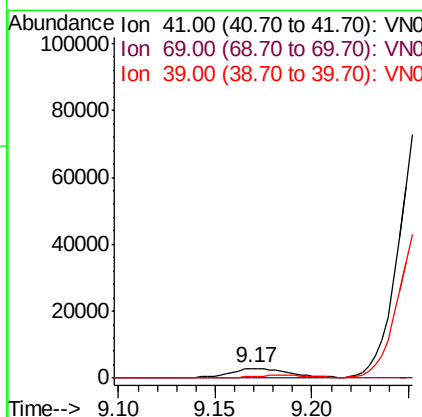
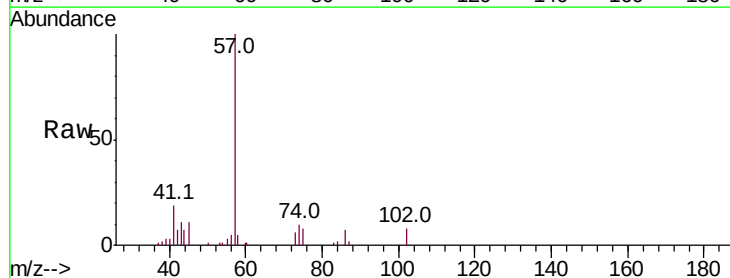
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-091819

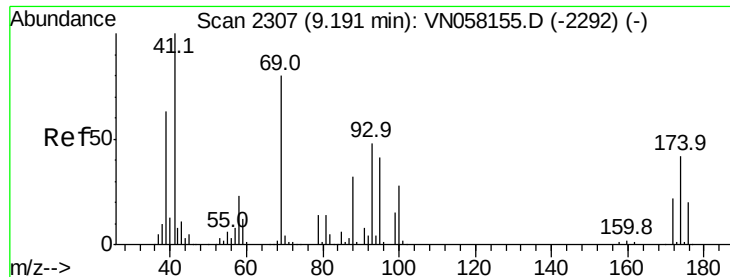
Tot Ion: 63 Resp: 2262
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.8 35.6#



#48
 Methyl methacrylate
 Concen: 1.329 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Tgt Ion: 41 Resp: 6331
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.5 93.7#
 39 0.0 52.3 78.5#





#49

1,4-Dioxane

Concen: 1.828 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.08 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

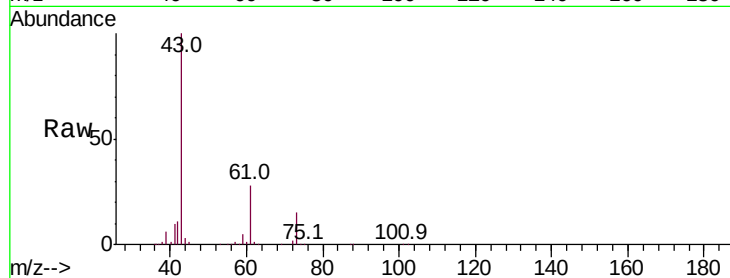
Tot Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 1241459.4 27.8 41.8#

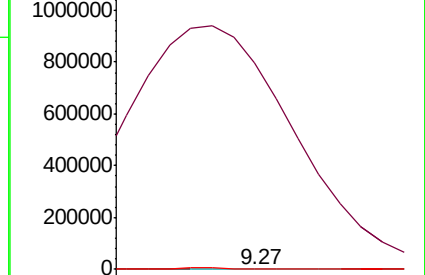
58 5755.2 55.0 82.4#



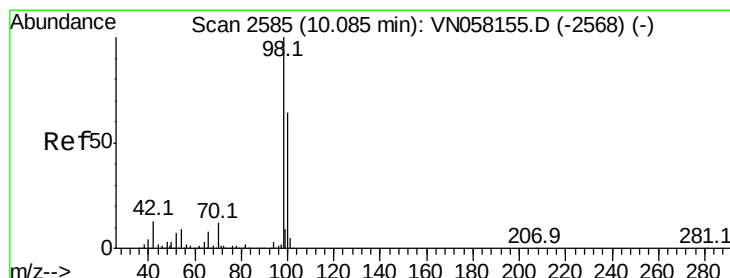
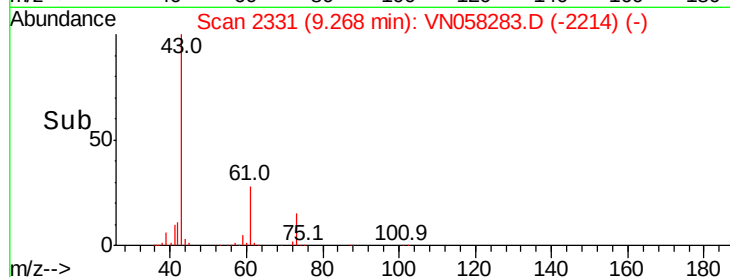
Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 54.184 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058283.D

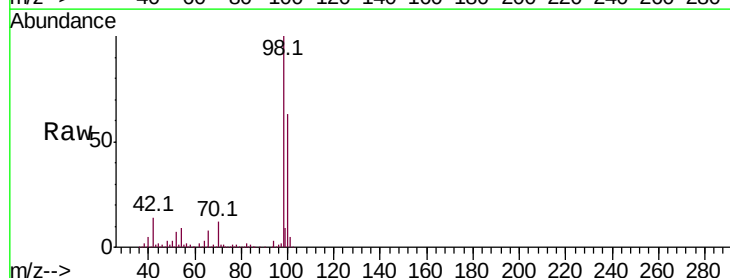
Acq: 23 Sep 2019 11:51

Tgt Ion: 98 Resp: 963501

Ion Ratio Lower Upper

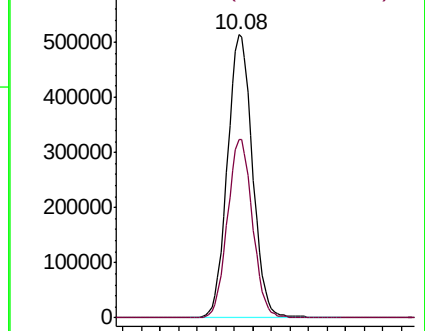
98 100

100 63.3 51.1 76.7

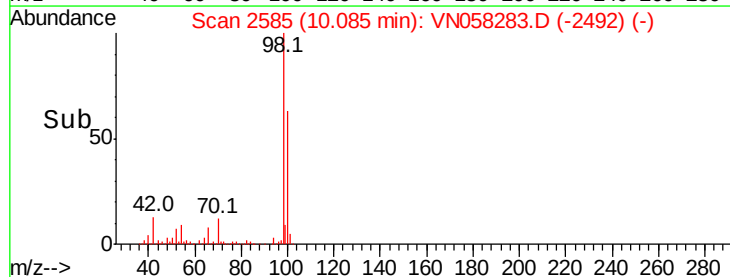


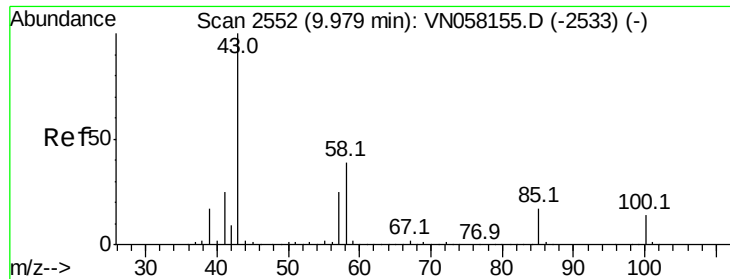
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.638 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

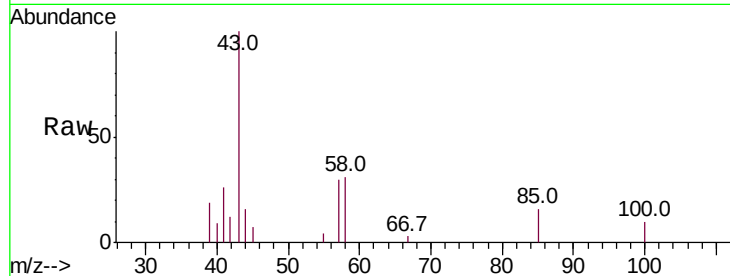
CL-02-091819

Tot Ion: 43 Resp: 9130

Ion Ratio Lower Upper

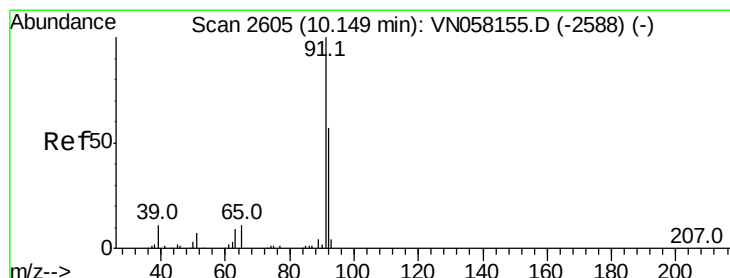
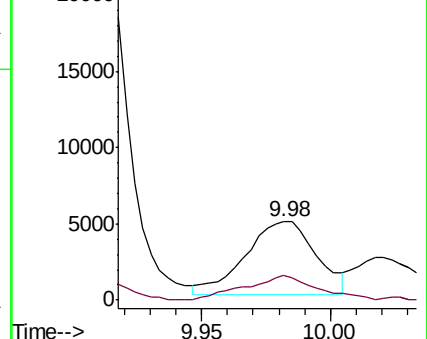
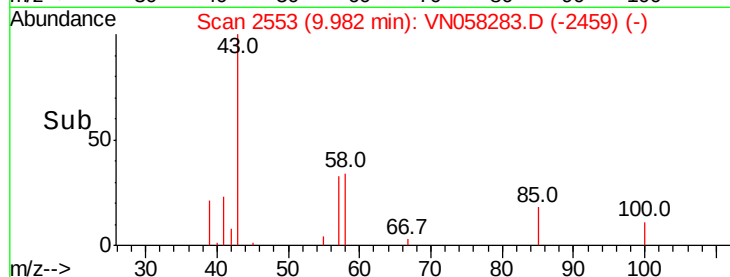
43 100

58 34.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 1.485 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058283.D

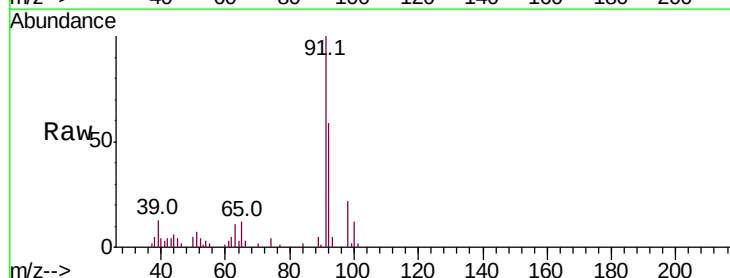
Acq: 23 Sep 2019 11:51

Tgt Ion: 92 Resp: 15391

Ion Ratio Lower Upper

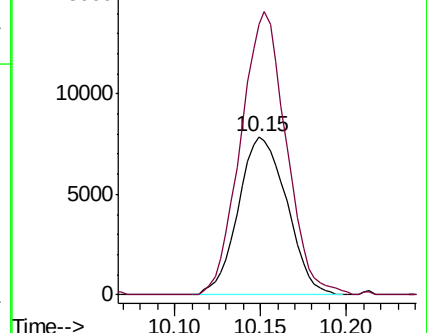
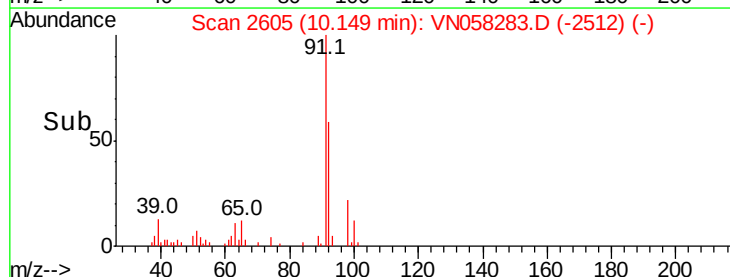
92 100

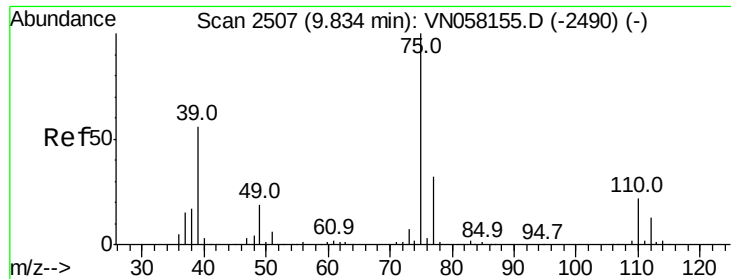
91 168.4 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.170 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

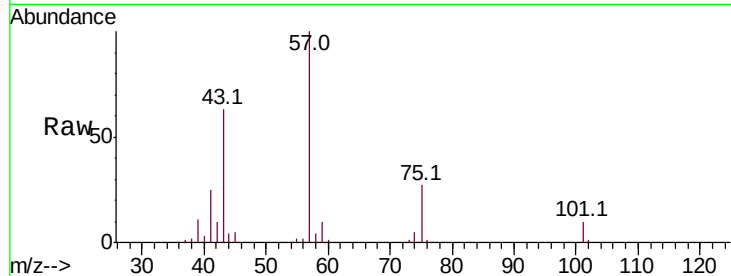
Tot Ion: 75 Resp: 43894

Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

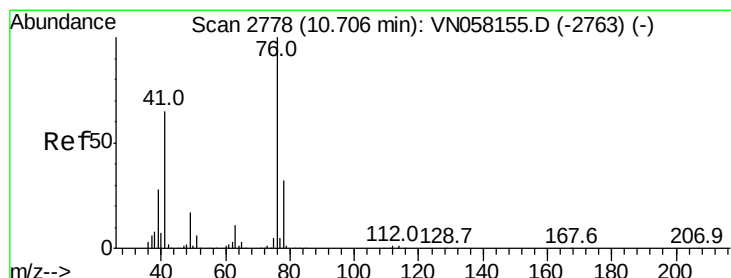
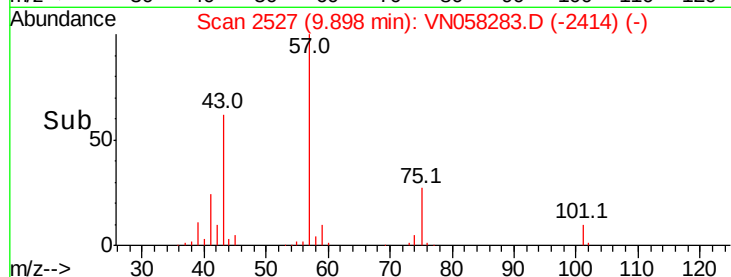
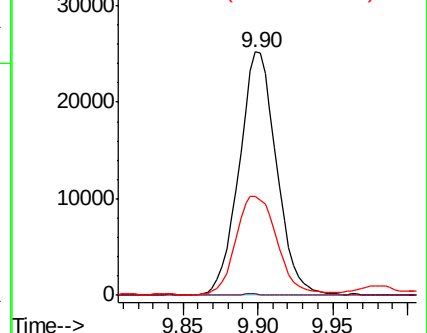
39 40.5 45.0 67.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.971 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN058283.D

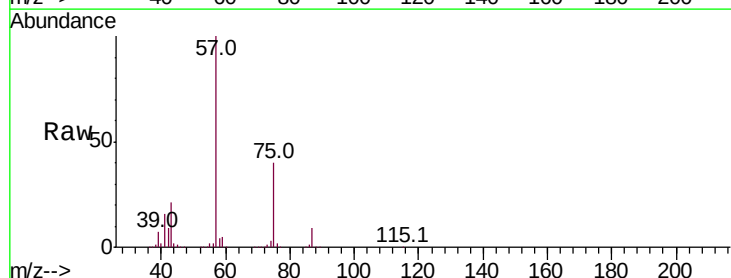
Acq: 23 Sep 2019 11:51

Tgt Ion: 76 Resp: 7675

Ion Ratio Lower Upper

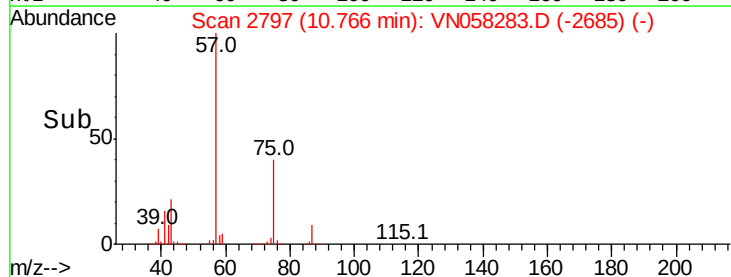
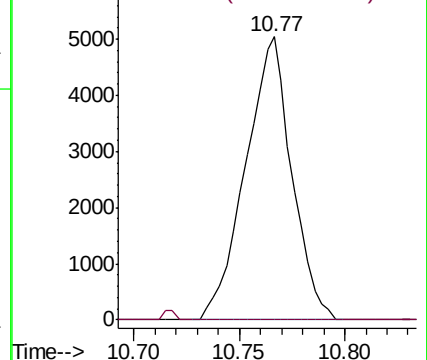
76 100

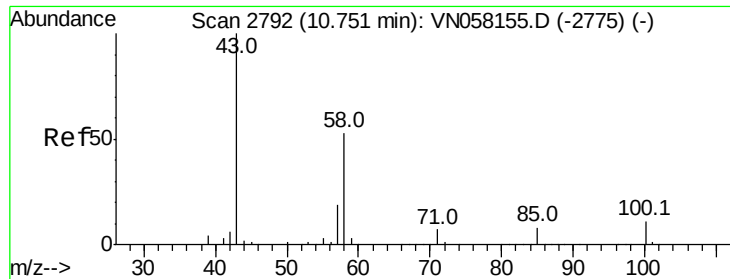
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

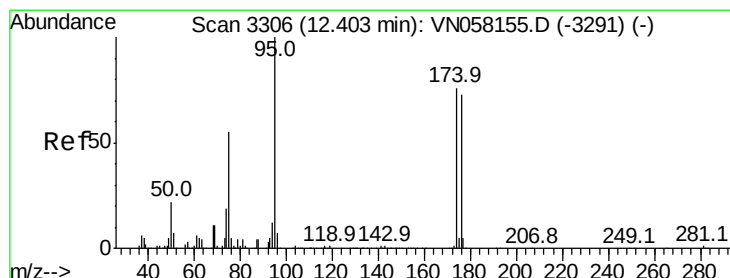
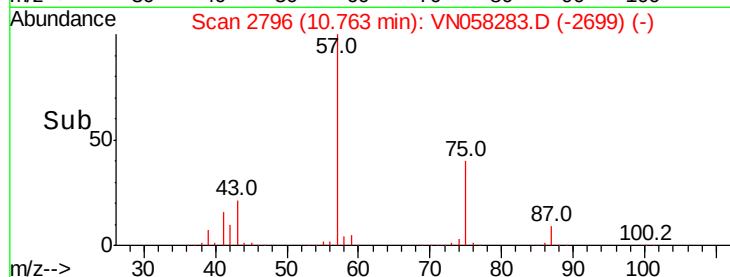
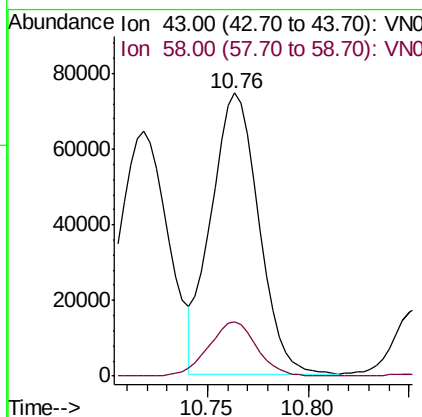
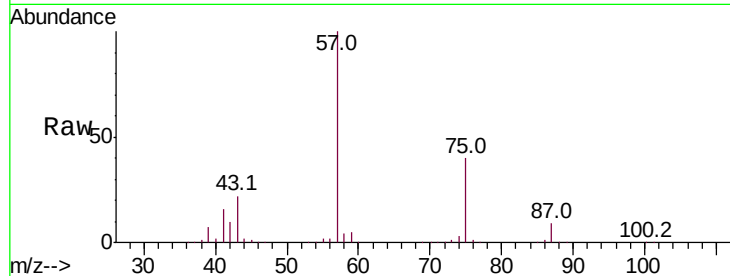




#59
2-Hexanone
Concen: 29.520 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

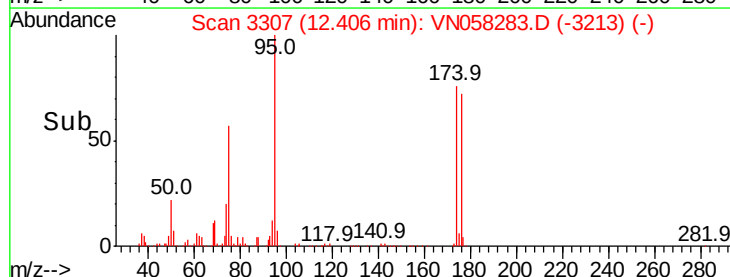
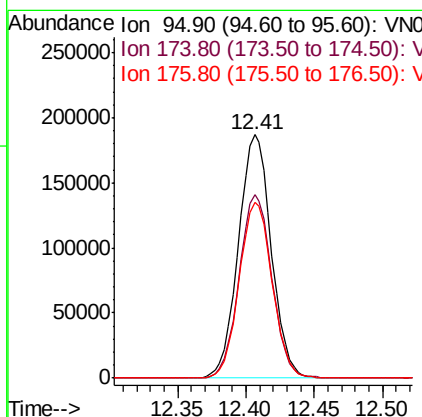
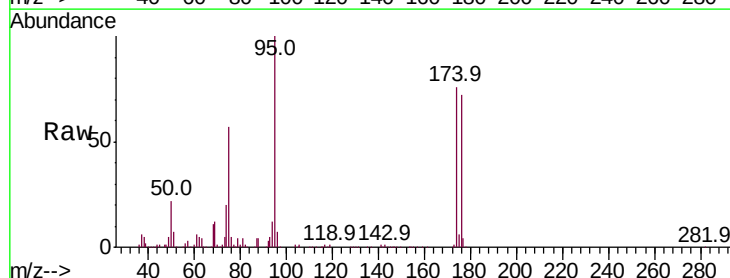
Instrument :
MSVOA_N
ClientSampled :
CL-02-091819

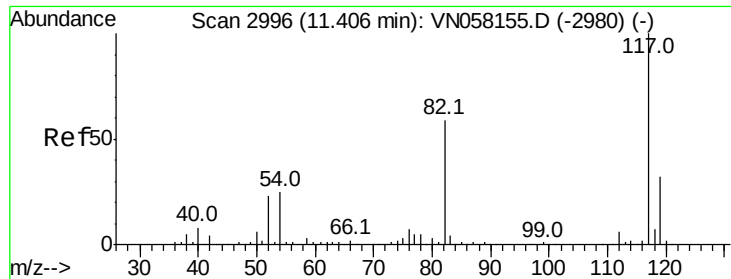
Tot Ion: 43 Resp: 122195
Ion Ratio Lower Upper
43 100
58 19.5 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 47.191 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Tgt Ion: 95 Resp: 311710
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.2
176 72.9 0.0 148.0

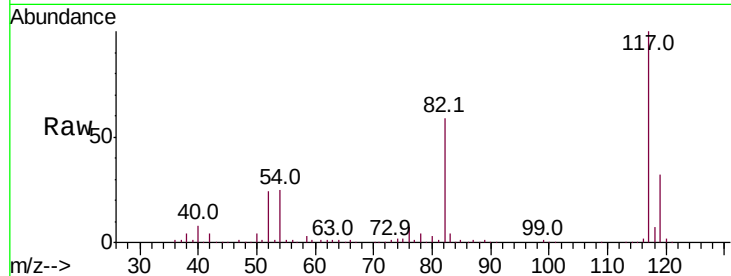




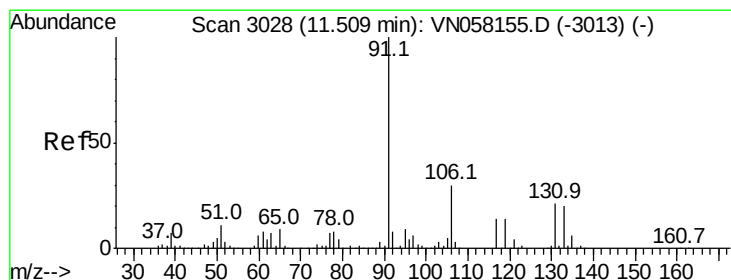
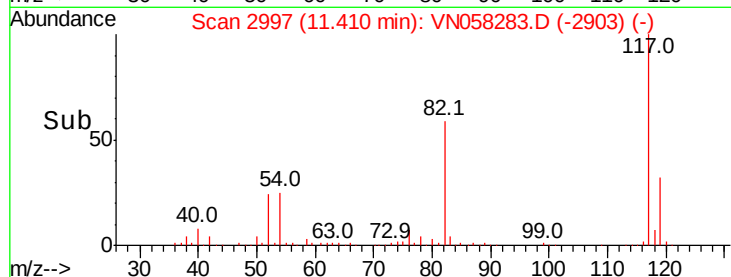
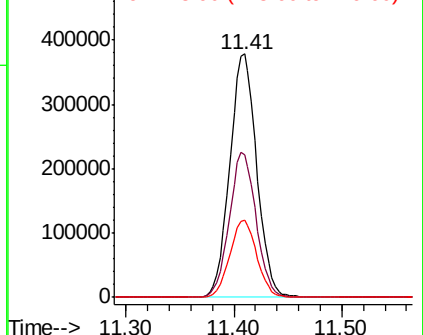
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
CL-02-091819

Tot Ion:117 Resp: 658772
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 31.8 25.3 37.9

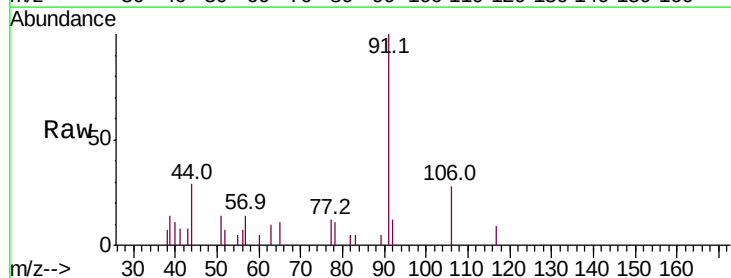


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

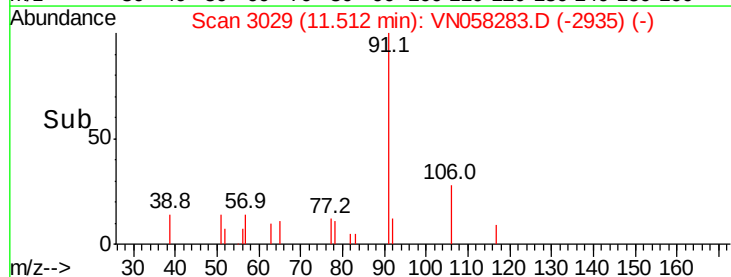
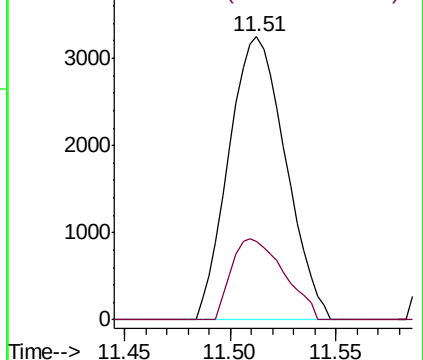


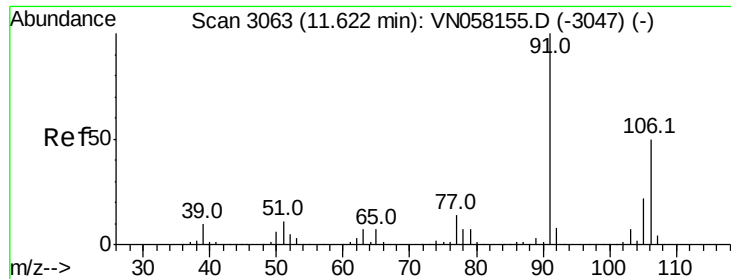
#67
Ethyl Benzene
Concen: 0.306 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Tgt Ion: 91 Resp: 6082
Ion Ratio Lower Upper
91 100
106 27.7 24.0 36.0



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

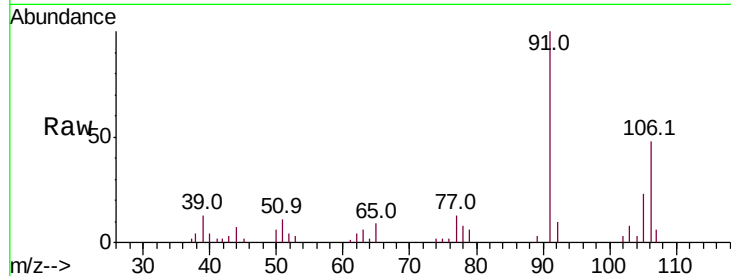




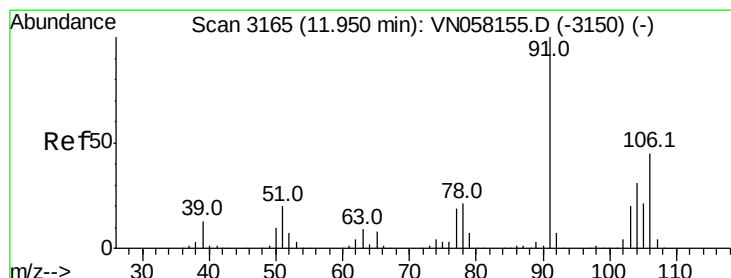
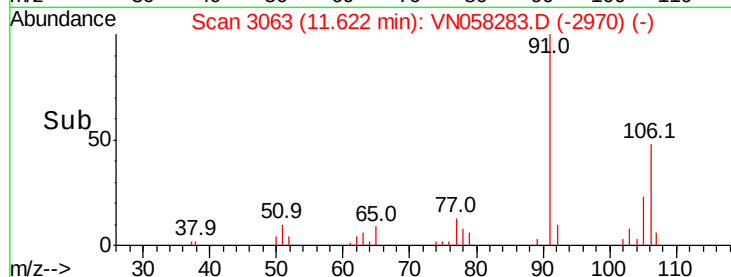
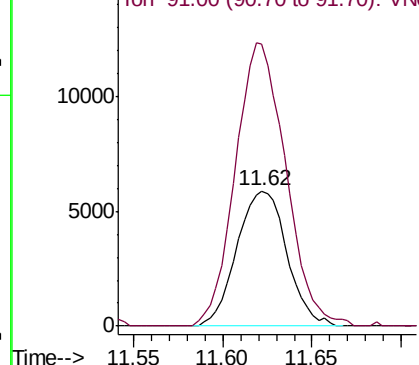
#68
m/p-Xylenes
Concen: 1.538 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Instrument :
MSVOA_N
ClientSampleId :
CL-02-091819

Tot Ion:106 Resp: 11498
Ion Ratio Lower Upper
106 100
91 211.1 163.6 245.4

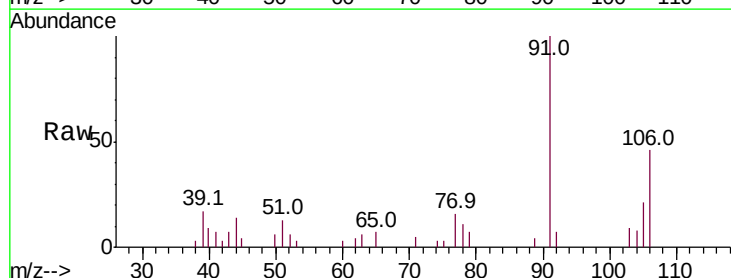


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

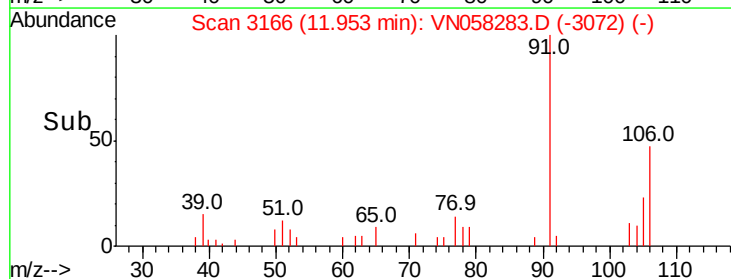
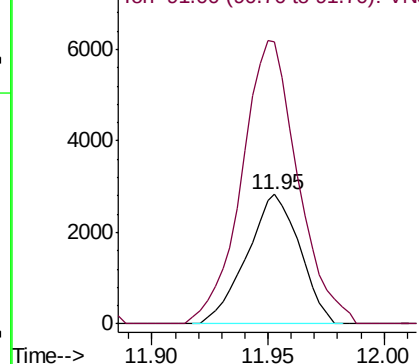


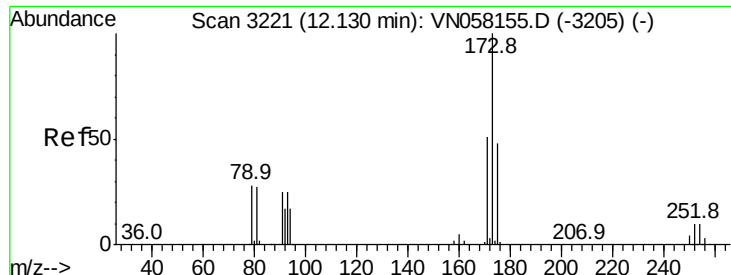
#69
o-Xylene
Concen: 0.608 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Tgt Ion:106 Resp: 4474
Ion Ratio Lower Upper
106 100
91 232.2 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

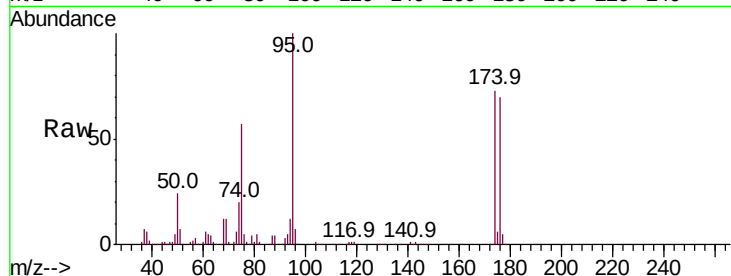




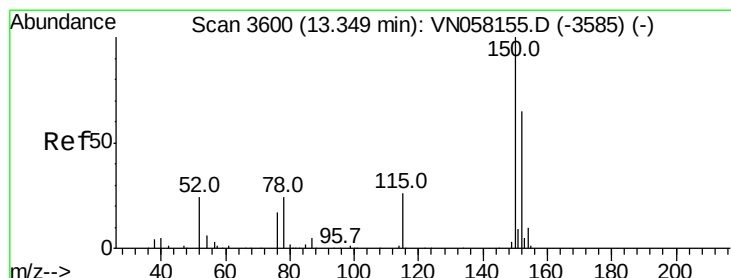
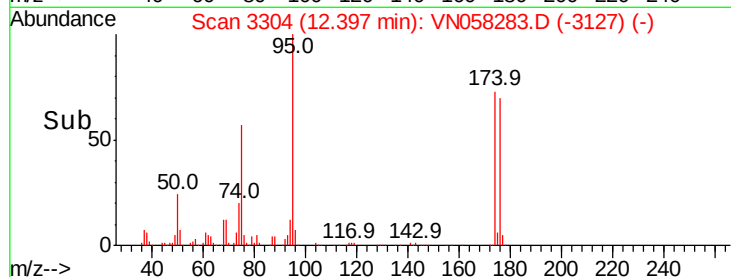
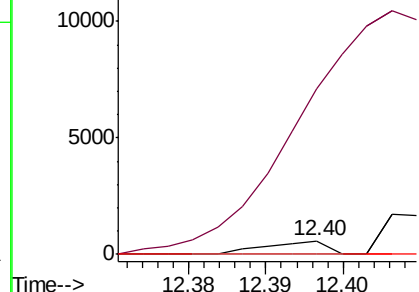
#71
Bromoform
Concen: 3.691 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Instrument :
MSVOA_N
ClientSampled :
CL-02-091819

Tot Ion:173 Resp: 322
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#

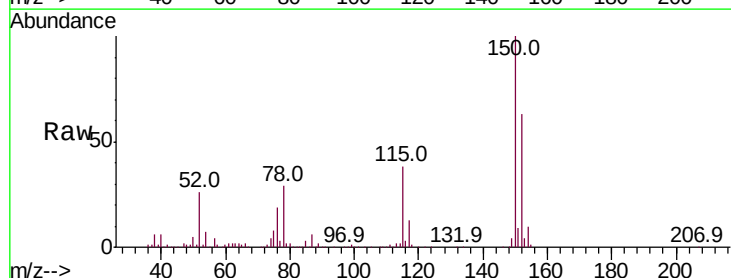


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

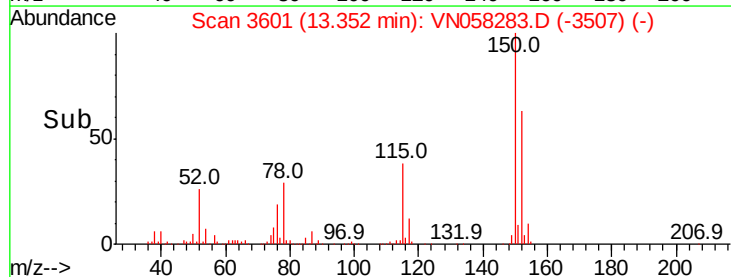
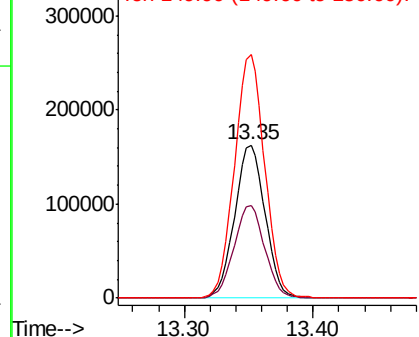


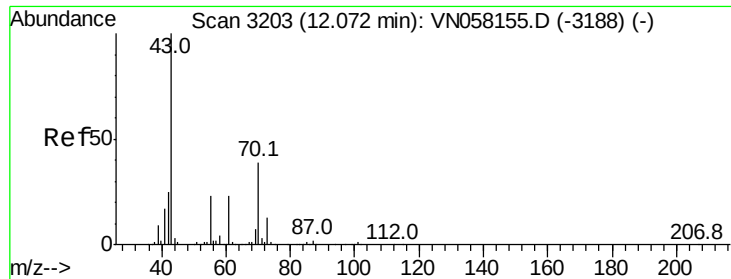
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058283.D
Acq: 23 Sep 2019 11:51

Tgt Ion:152 Resp: 267043
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 157.7 0.0 346.4



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





#74

N-amyl acetate

Concen: 0.456 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

Tot Ion: 43 Resp: 3186

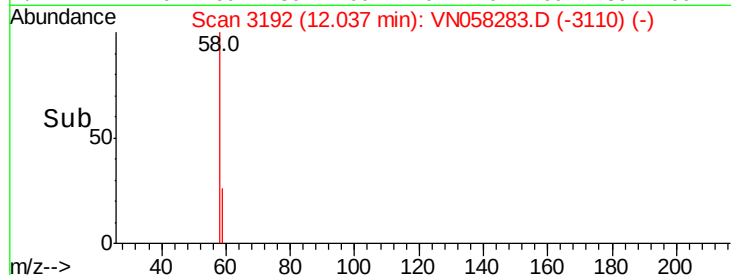
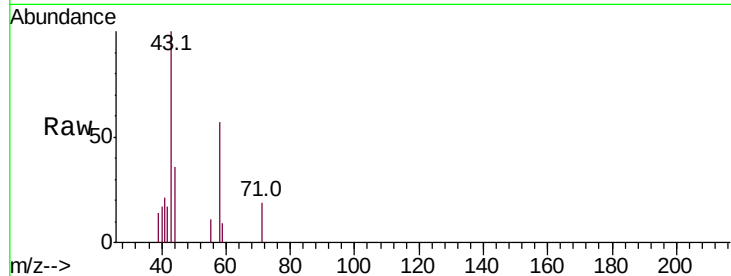
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 14.8 18.5 27.7#

61 0.0 18.2 27.2#

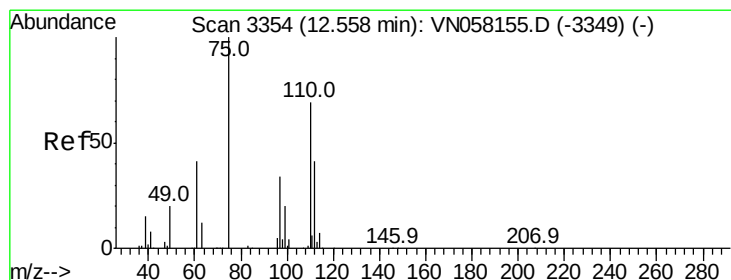
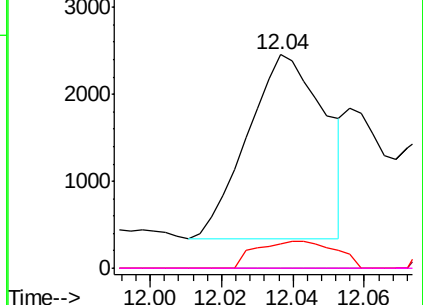


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 36.731 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058283.D

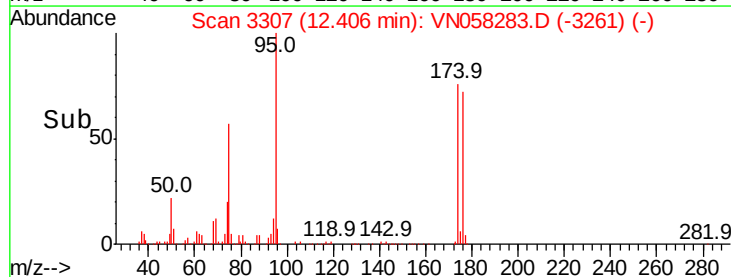
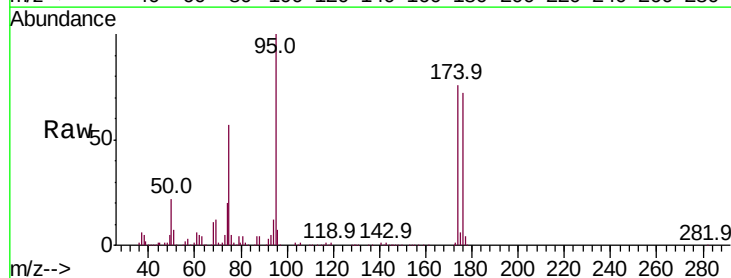
Acq: 23 Sep 2019 11:51

Tgt Ion: 75 Resp: 175548

Ion Ratio Lower Upper

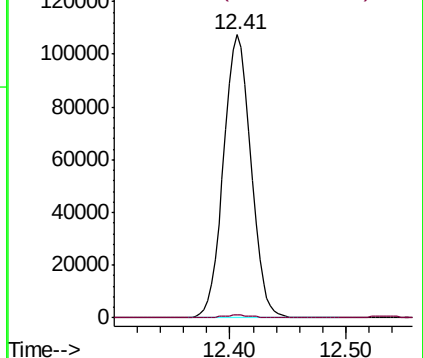
75 100

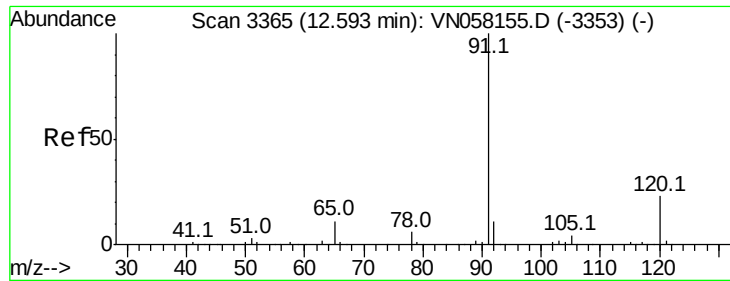
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.220 ug/l

RT: 12.60 min Scan# 3367

Delta R.T. 0.01 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

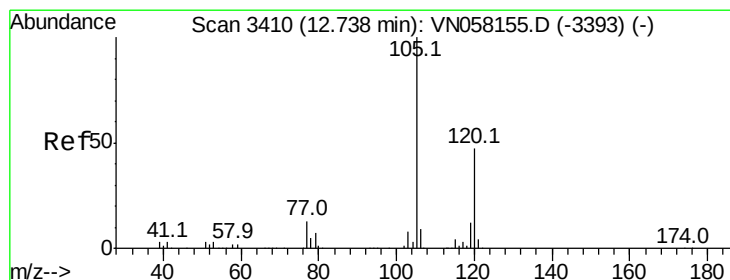
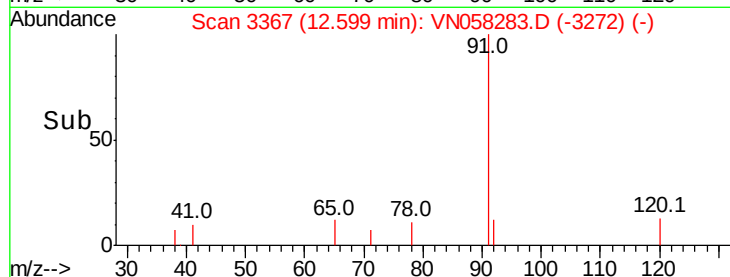
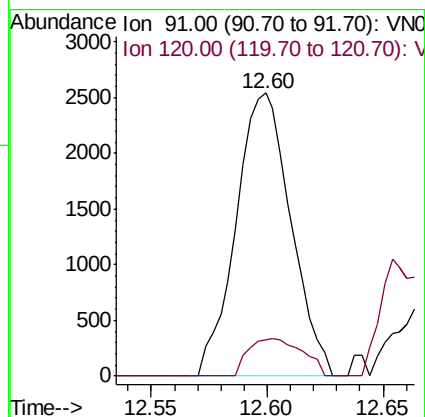
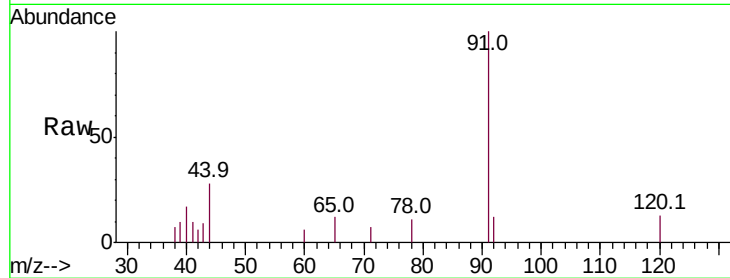
CL-02-091819

Tot Ion: 91 Resp: 4173

Ion Ratio Lower Upper

91 100

120 13.1 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 0.760 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058283.D

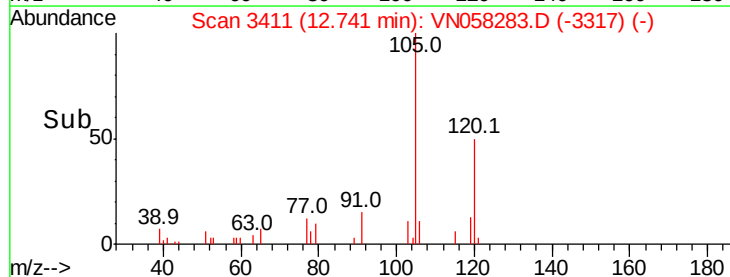
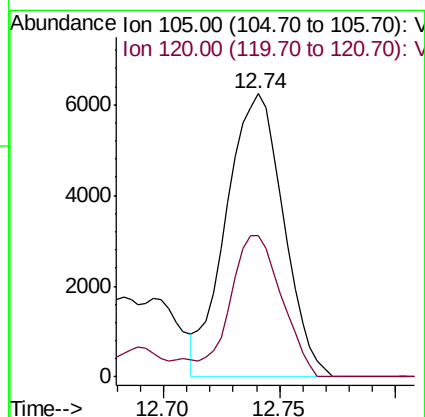
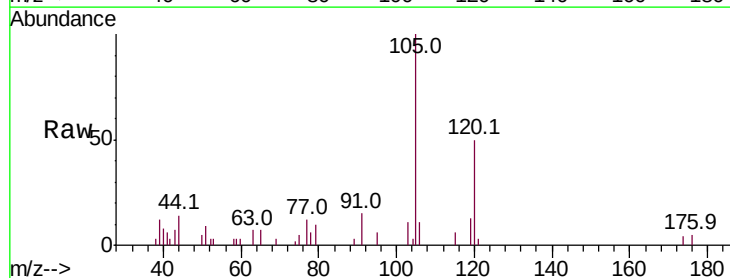
Acq: 23 Sep 2019 11:51

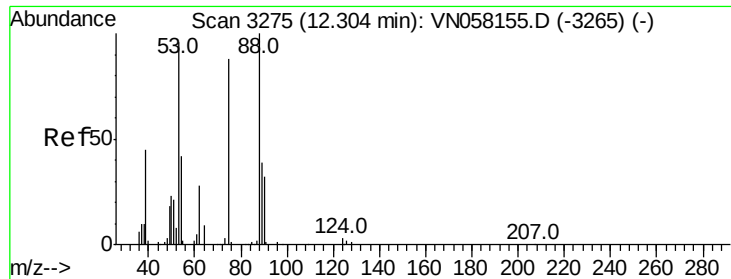
Tgt Ion: 105 Resp: 10745

Ion Ratio Lower Upper

105 100

120 44.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 102.465 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

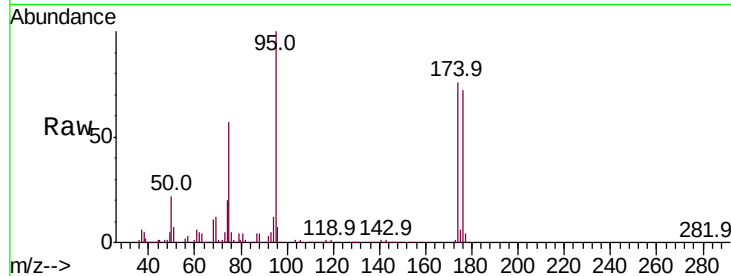
Tot Ion: 75 Resp: 175548

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

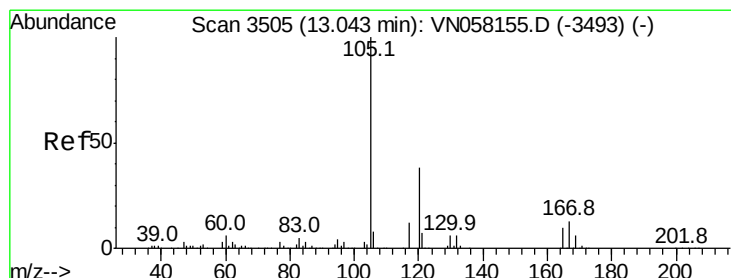
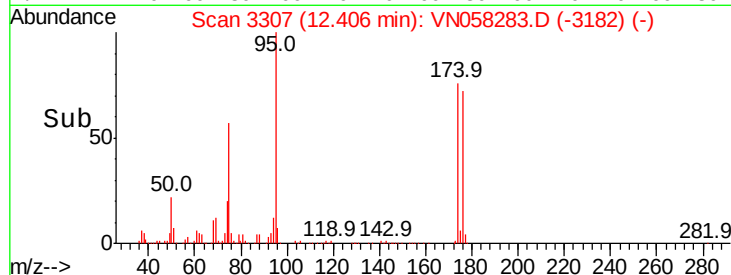
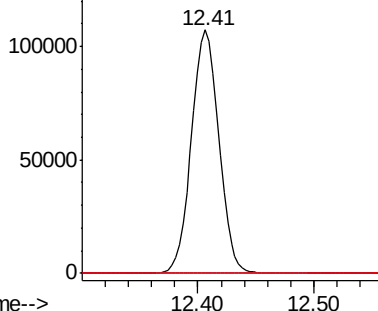
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN058155.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058155.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058155.D (-3265) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.111 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058283.D

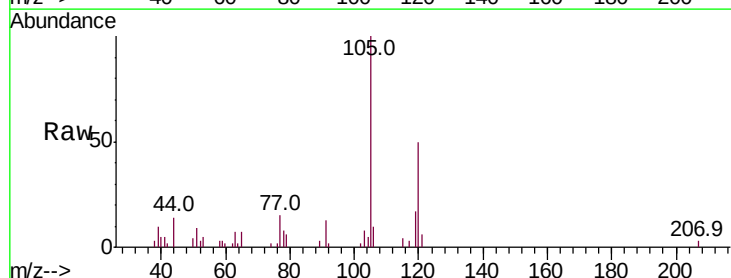
Acq: 23 Sep 2019 11:51

Tgt Ion: 105 Resp: 15626

Ion Ratio Lower Upper

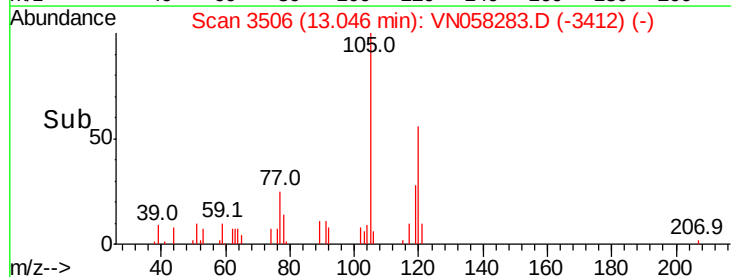
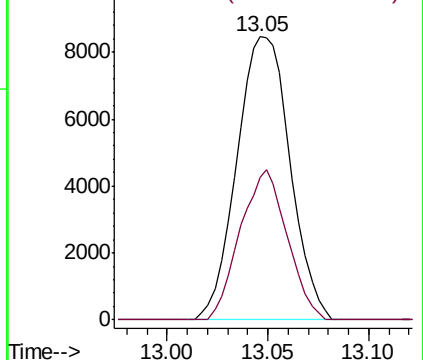
105 100

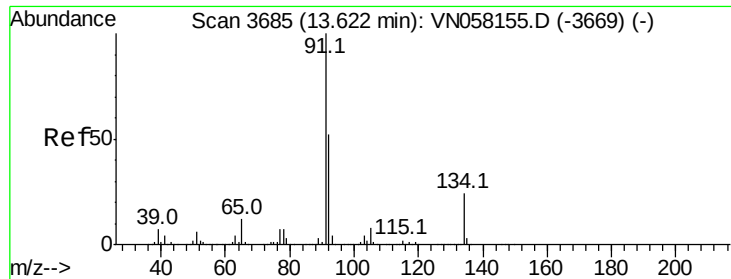
120 46.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3493) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3493) (-)





#89

n-Butylbenzene

Concen: 0.281 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.01 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampled :

CL-02-091819

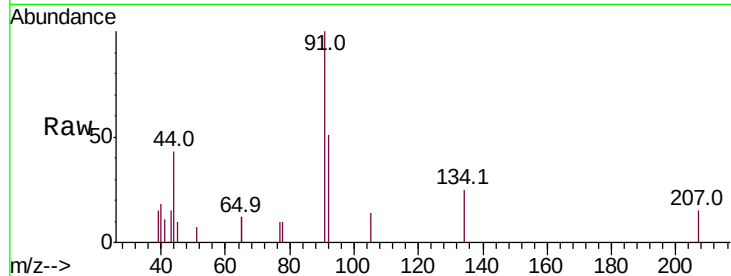
Tot Ion: 91 Resp: 3903

Ion Ratio Lower Upper

91 100

92 48.0 25.7 77.0

134 21.7 11.8 35.4

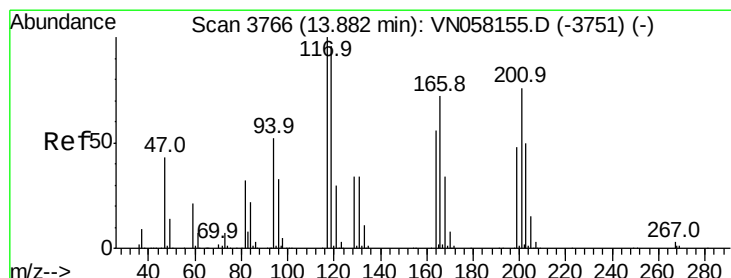
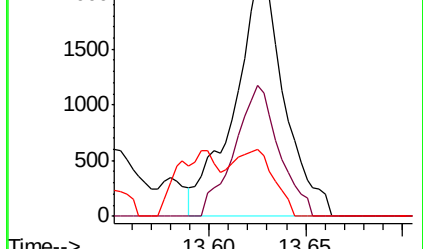
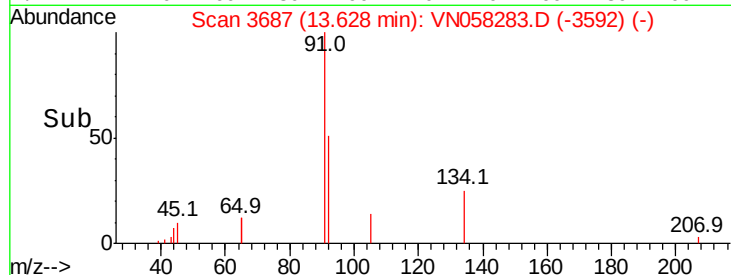


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 2.959 ug/l

RT: 13.90 min Scan# 3772

Delta R.T. 0.02 min

Lab File: VN058283.D

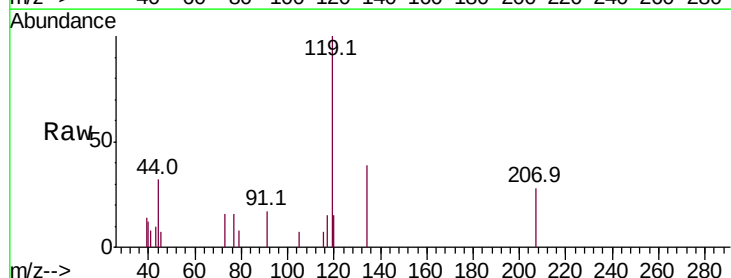
Acq: 23 Sep 2019 11:51

Tgt Ion: 117 Resp: 372

Ion Ratio Lower Upper

117 100

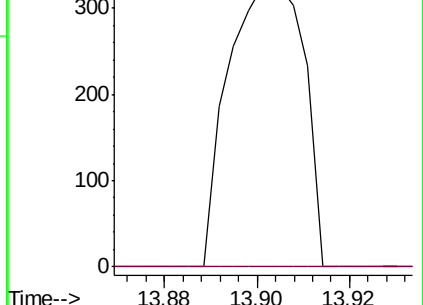
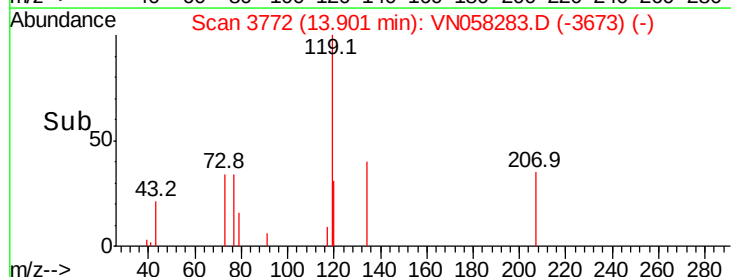
201 0.0 37.5 112.5#

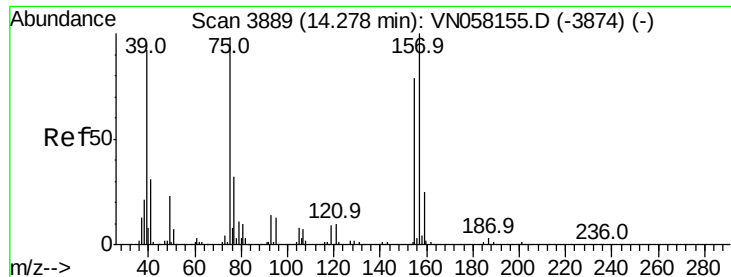


Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)

Time-->

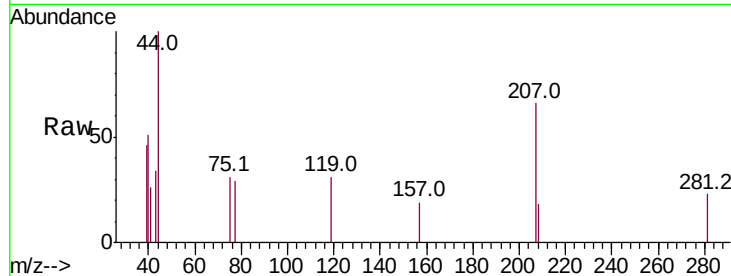




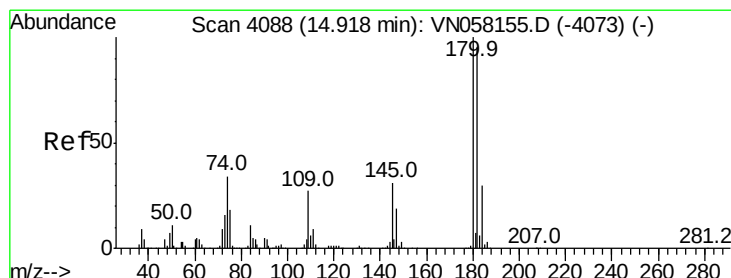
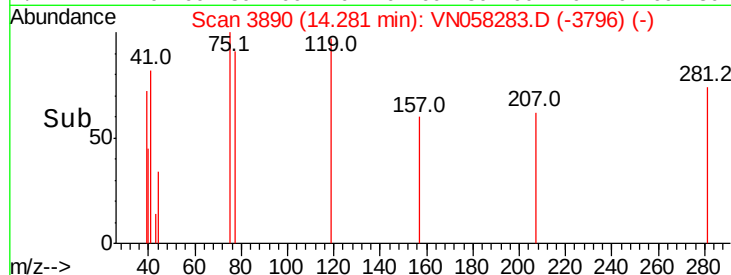
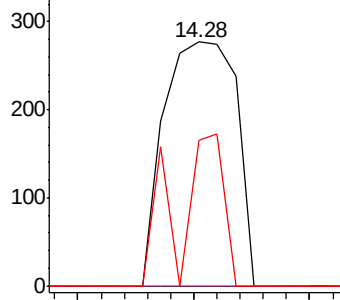
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.237 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-091819

Tot Ion: 75 Resp: 239
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.3 114.8#
 157 40.2 48.0 144.0#

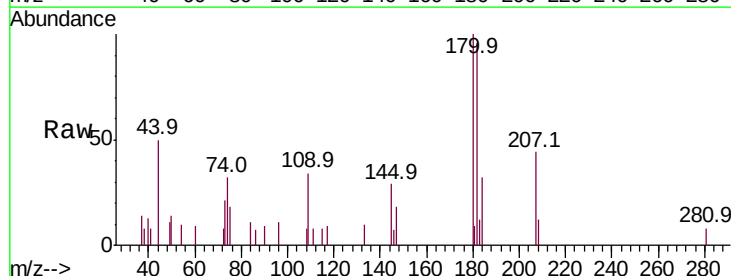


Abundance Ion 74.90 (74.60 to 75.60): VN058283.D (-3796) (-)
 Ion 154.80 (154.50 to 155.50): VN058283.D (-3796) (-)
 Ion 156.80 (156.50 to 157.50): VN058283.D (-3796) (-)

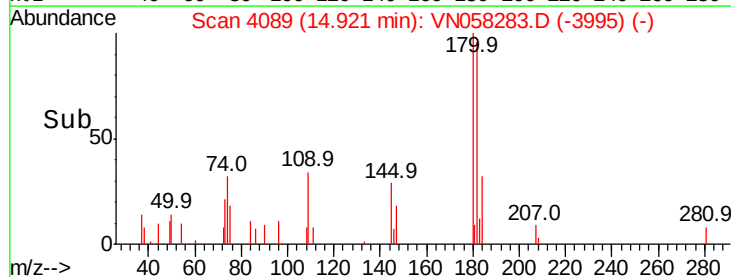
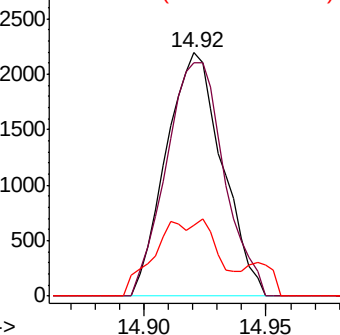


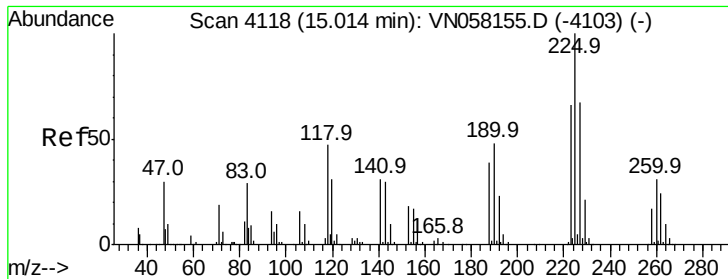
#93
 1,2,4-Trichlorobenzene
 Concen: 0.712 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Tgt Ion: 180 Resp: 3502
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.8 143.3
 145 19.6 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): VN058283.D (-3995) (-)
 Ion 181.80 (181.50 to 182.50): VN058283.D (-3995) (-)
 Ion 144.80 (144.50 to 145.50): VN058283.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 0.226 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

Instrument :

MSVOA_N

ClientSampleId :

CL-02-091819

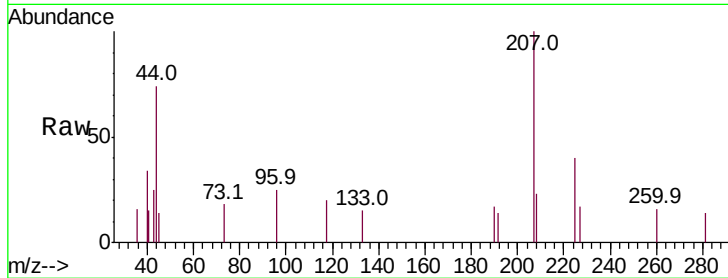
Tot Ion:225 Resp: 537

Ion Ratio Lower Upper

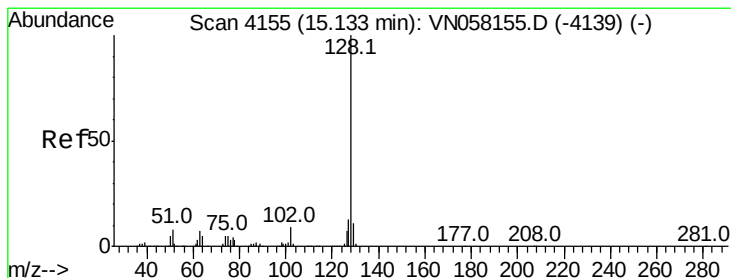
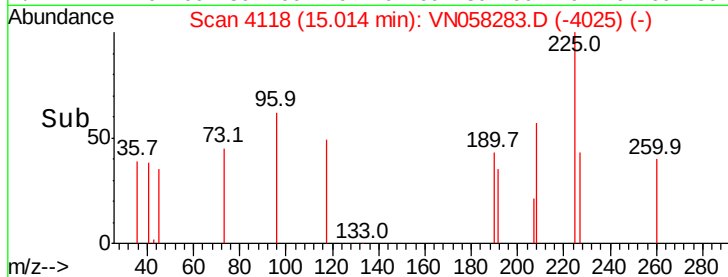
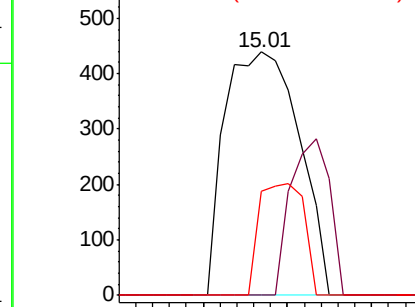
225 100

223 33.7 32.6 97.7

227 27.4 33.0 99.0#



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: 32.757 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058283.D

Acq: 23 Sep 2019 11:51

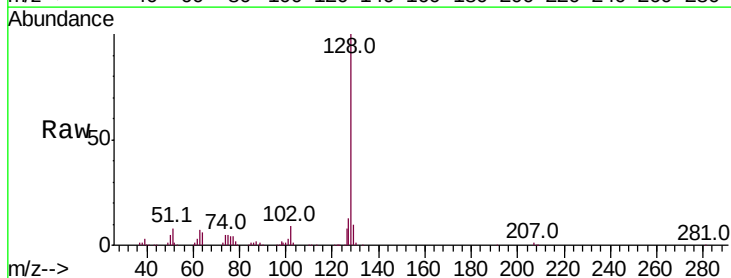
Tgt Ion:128 Resp: 417839

Ion Ratio Lower Upper

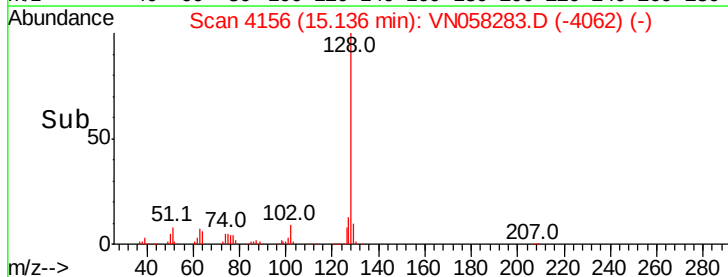
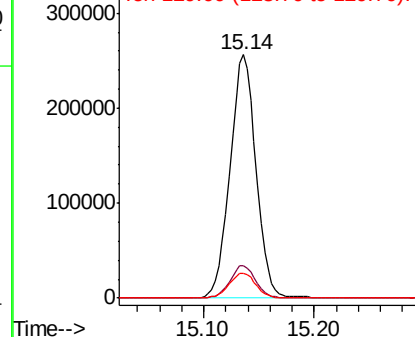
128 100

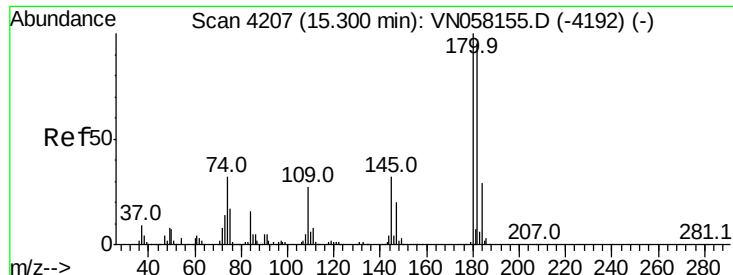
127 13.3 10.2 15.2

129 10.6 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: 0.893 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058283.D
 Acq: 23 Sep 2019 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-02-091819

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.8	47.4	142.2
145	48.0	16.1	48.2

