

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058361.D
 Acq On : 25 Sep 2019 12:58
 Operator : JC/SP
 Sample : K4668-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-092319

Quant Time: Sep 26 01:09:38 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	436051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	705081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	263826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314486	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.58	113	220404	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.08	98	902069	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.41	95	297570	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds

					Qvalue	
3) Chloromethane	2.03	50	675	Below Cal	#	42
5) Bromomethane	2.54	94	60	0.759	ug/l #	4
6) Chloroethane	2.69	64	382	Below Cal	#	44
16) Acetone	3.80	43	38320	18.588	ug/l	98
17) Carbon Disulfide	4.03	76	1476	0.661	ug/l #	74
18) Methyl Acetate	4.31	43	3162	0.583	ug/l #	86
20) Methylene Chloride	4.53	84	55430	15.203	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	62	Below Cal	#	1
30) Chloroform	7.36	83	2794	0.332	ug/l #	77
31) Cyclohexane	7.65	56	10965	Below Cal	#	3
36) 1,1-Dichloropropene	7.65	75	36630	7.204	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45045	8.813	ug/l #	15
40) Benzene	8.03	78	3797	0.244	ug/l	95
41) Methacrylonitrile	7.17	41	264	1.008	ug/l #	100
43) Isopropyl Acetate	8.15	43	84501	8.574	ug/l #	90
48) Methyl methacrylate	9.17	41	4627	1.034	ug/l #	14
49) 1,4-Dioxane	9.20	88	71	0.966	ug/l #	24
51) 4-Methyl-2-Pentanone	9.98	43	8541	1.632	ug/l	94
52) Toluene	10.15	92	7115	0.731	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	37245	5.575	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	6197	0.835	ug/l #	43
59) 2-Hexanone	10.76	43	95787	24.639	ug/l #	53
67) Ethyl Benzene	11.51	91	5746	0.312	ug/l	95
68) m/p-Xylenes	11.62	106	9218	1.328	ug/l	90
69) o-Xylene	11.95	106	4341	0.636	ug/l	95
71) Bromoform	12.41	173	1983	4.232	ug/l #	1
74) N-amyl acetate	12.03	43	4387	0.635	ug/l #	50
76) 1,2,3-Trichloropropane	12.41	75	162283	34.370	ug/l #	100
78) n-propylbenzene	12.60	91	6051	0.322	ug/l	93
80) 1,3,5-Trimethylbenzene	12.74	105	9258	0.663	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.41	75	162283	96.249	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.05	105	21126	1.520	ug/l	100
89) n-Butylbenzene	13.62	91	4735	0.345	ug/l #	72
90) Hexachloroethane	13.90	117	463	2.995	ug/l #	12

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

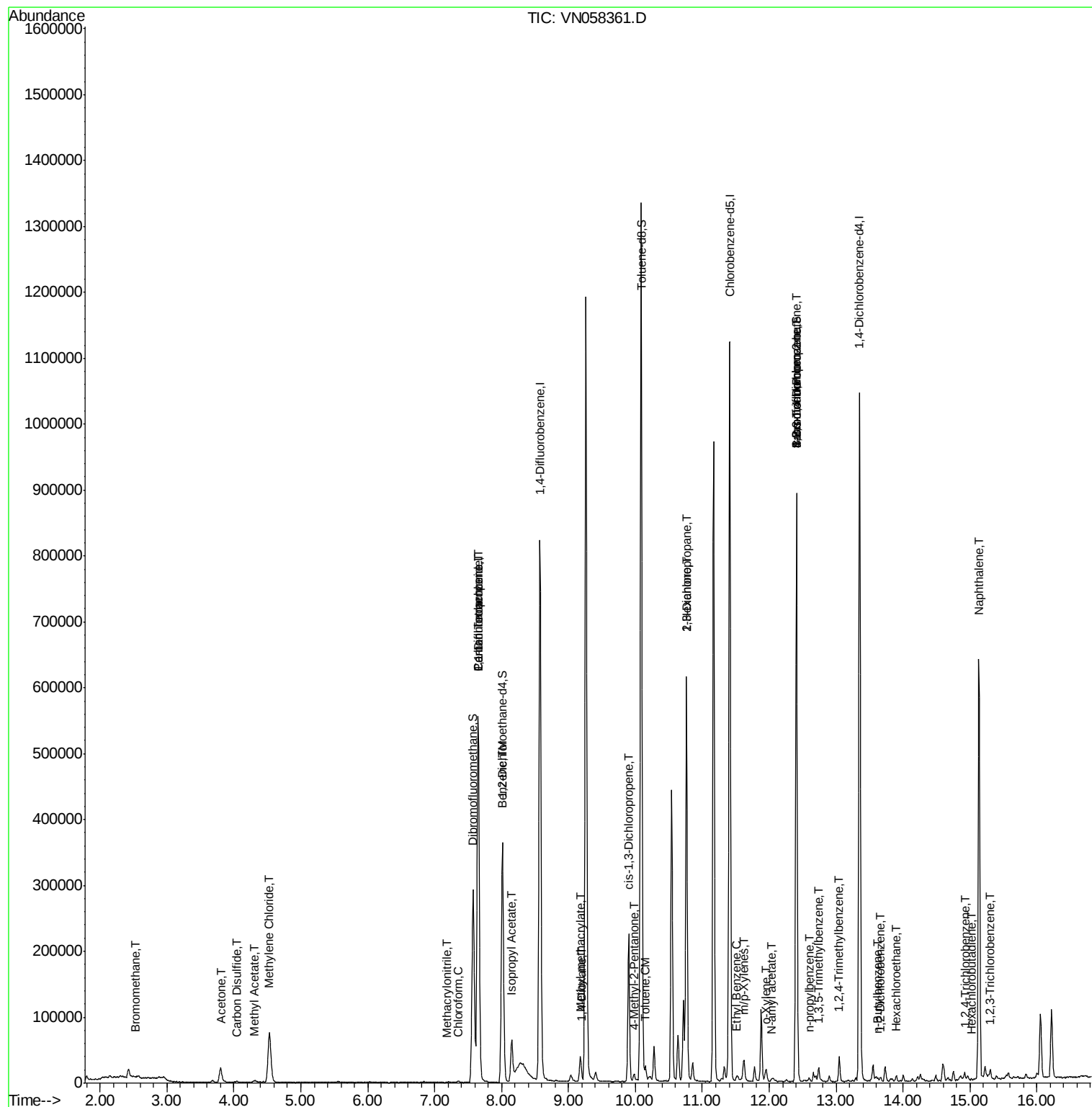
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	2369	0.311	ug/l #	75
93) 1,2,4-Trichlorobenzene	14.92	180	3154	0.649	ug/l	91
94) Hexachlorobutadiene	15.02	225	577	0.246	ug/l	97
95) Naphthalene	15.14	128	499124	39.607	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	3748	0.815	ug/l #	76

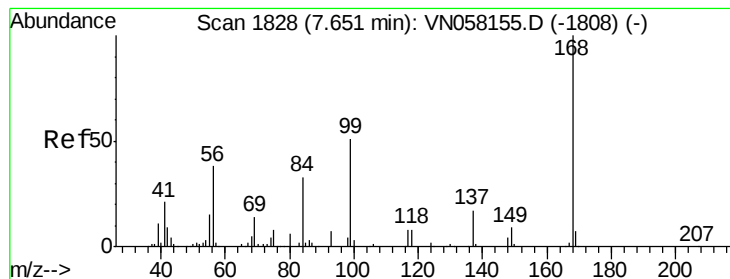
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

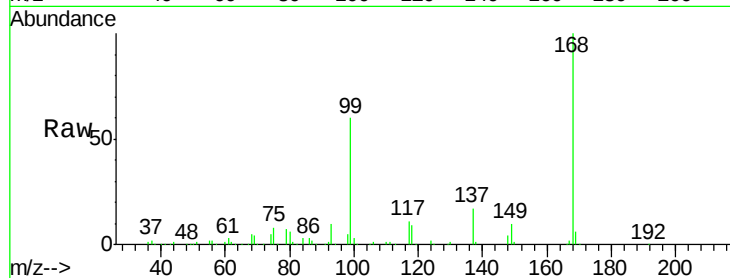
SU-03-092319

Tot Ion:168 Resp: 436051

Ion Ratio Lower Upper

168 100

99 59.6 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

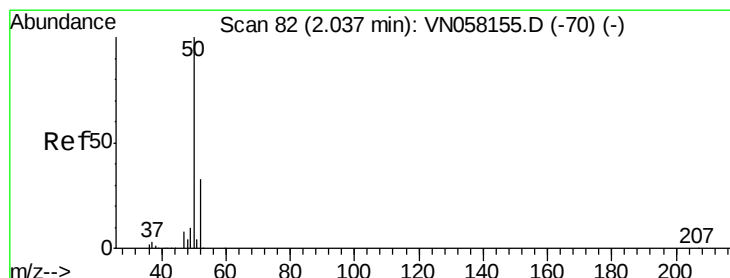
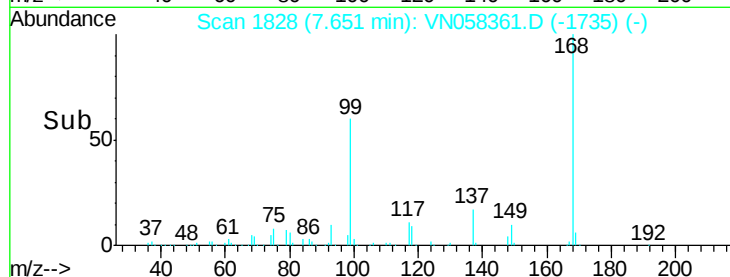
100000

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: VN058361.D

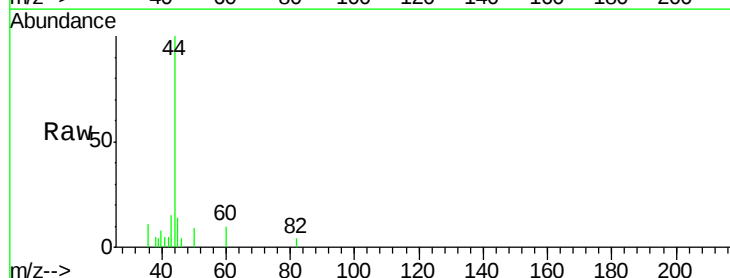
Acq: 25 Sep 2019 12:58

Tgt Ion: 50 Resp: 675

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

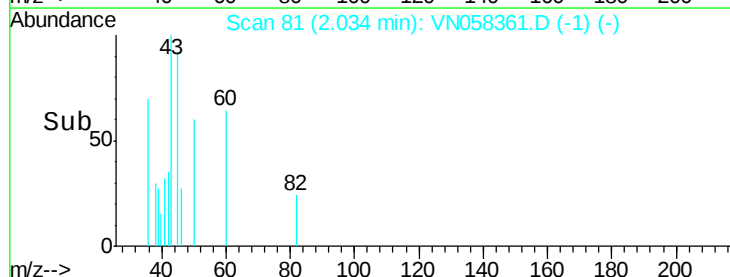
200

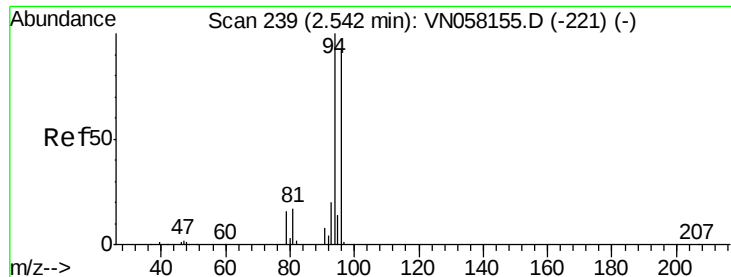
100

0

2.00 2.02 2.04 2.06 2.08

Time-->

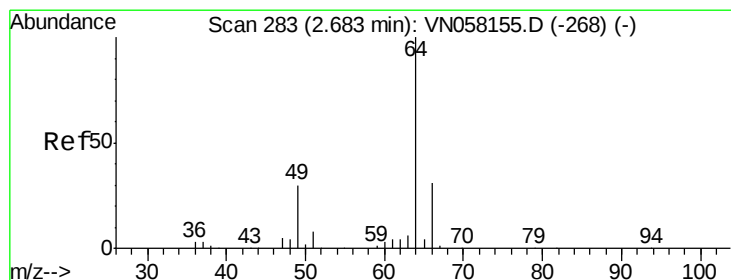
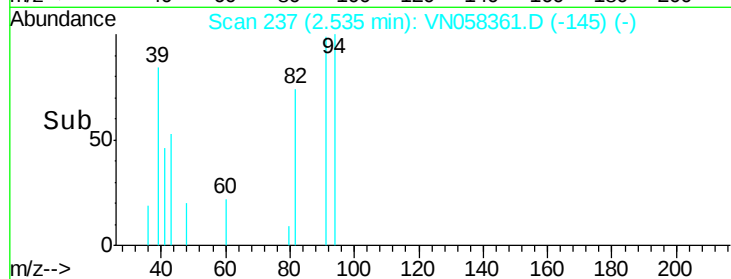
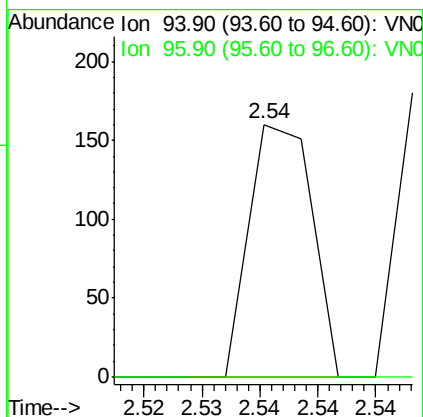
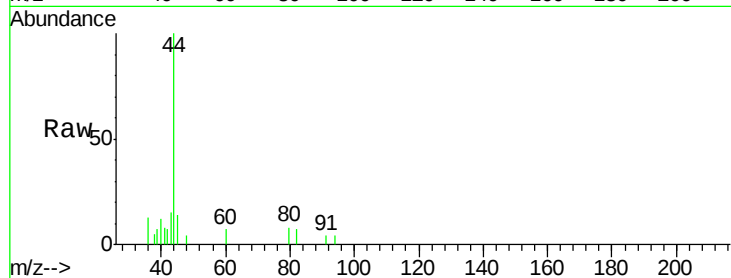




#5
Bromomethane
Concen: 0.759 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

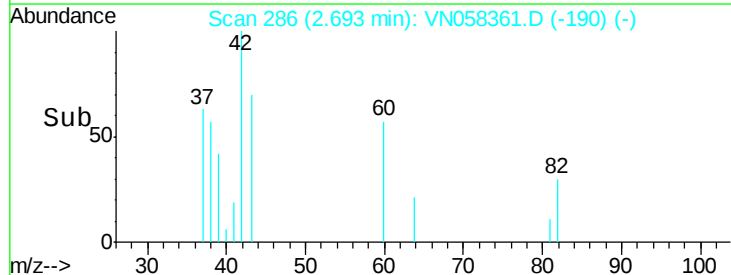
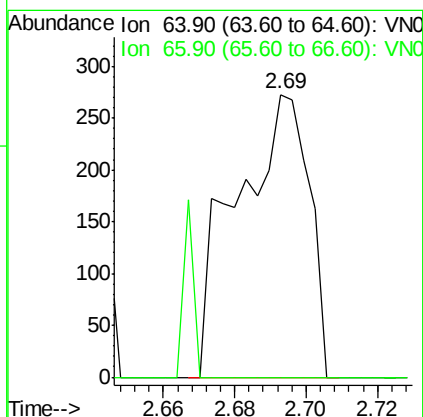
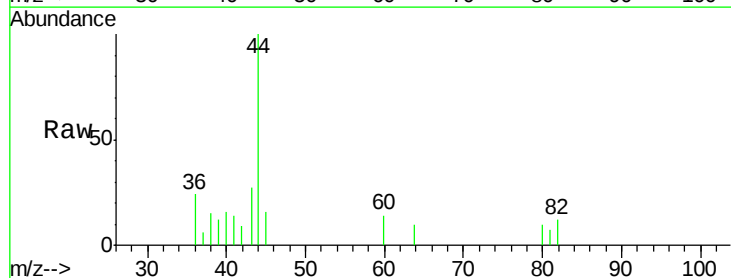
Instrument :
MSVOA_N
ClientSampleId :
SU-03-092319

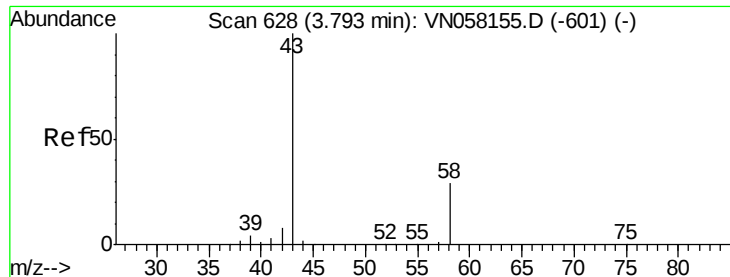
Tot Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 0.0 73.3 109.9#



#6
Chloroethane
Concen: Below Cal
RT: 2.69 min Scan# 286
Delta R.T. 0.01 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#





#16

Acetone

Concen: 18.588 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

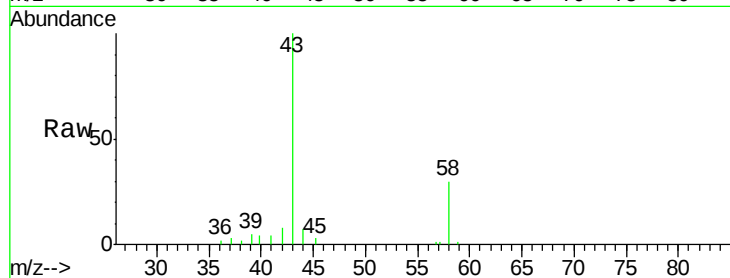
SU-03-092319

Tot Ion: 43 Resp: 38320

Ion Ratio Lower Upper

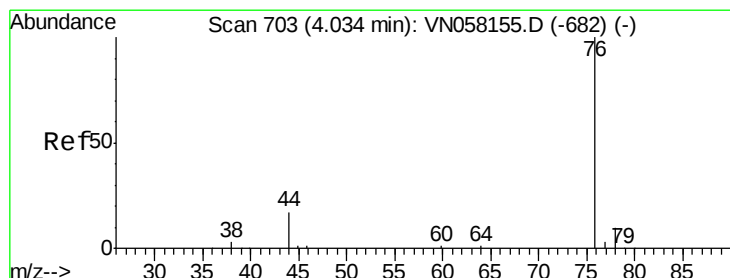
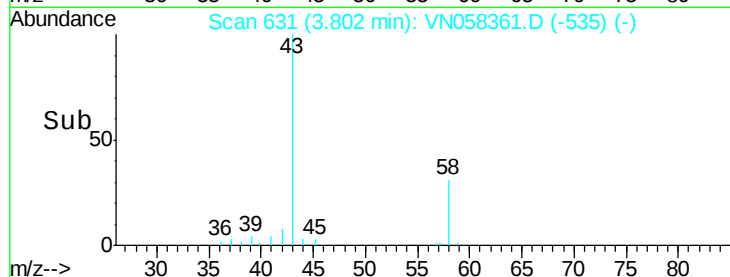
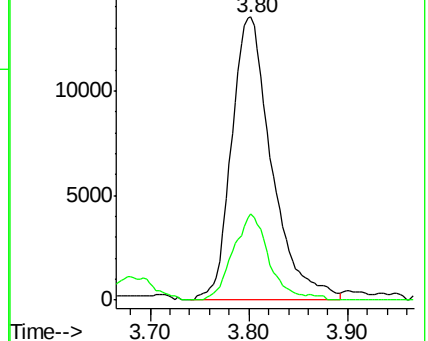
43 100

58 30.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.661 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058361.D

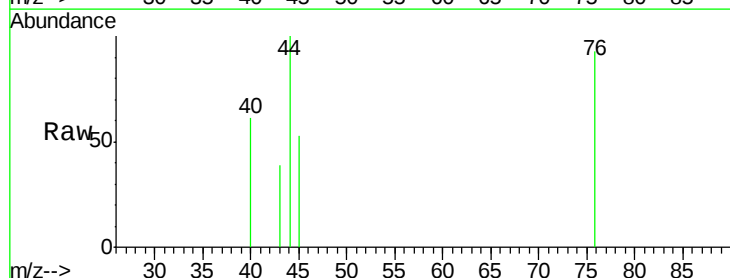
Acq: 25 Sep 2019 12:58

Tgt Ion: 76 Resp: 1476

Ion Ratio Lower Upper

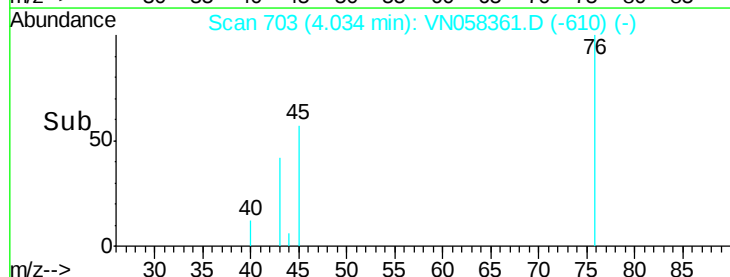
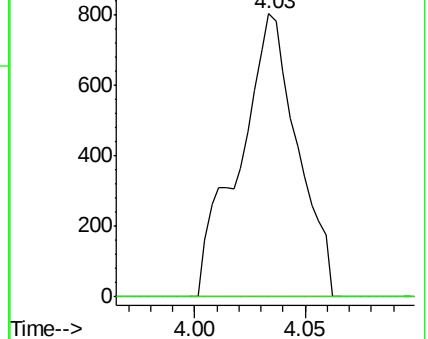
76 100

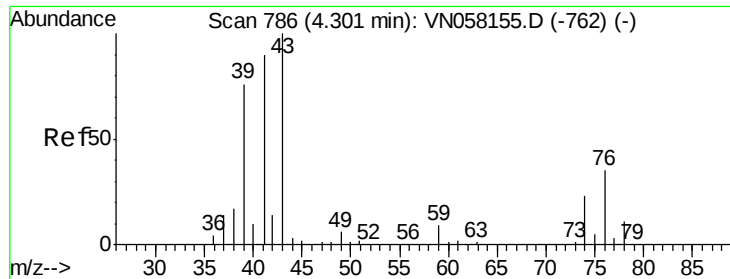
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

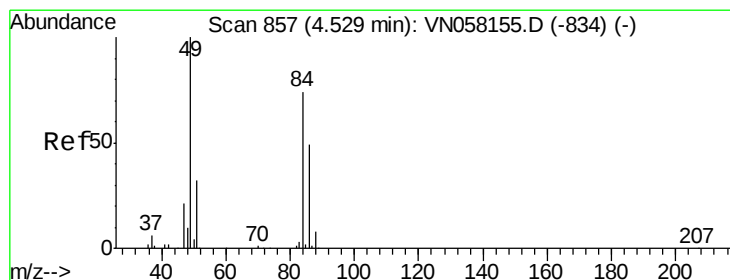
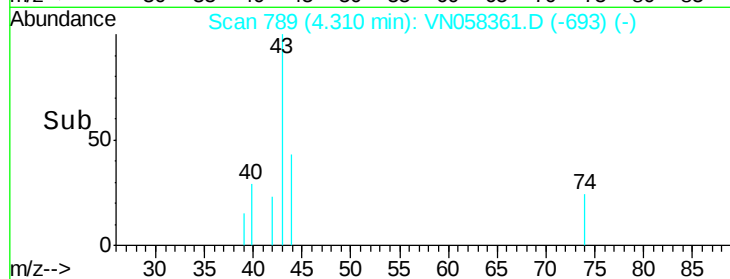
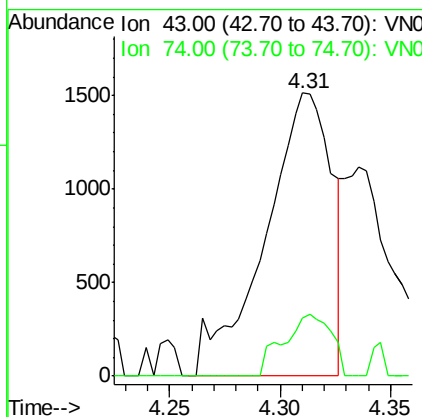
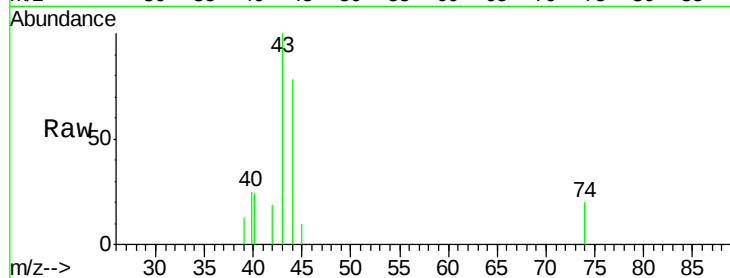




#18
Methvl Acetate
Concen: 0.583 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

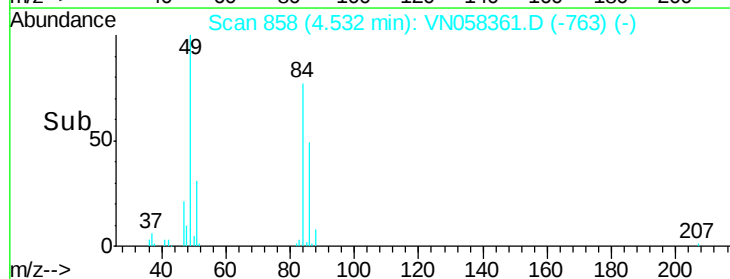
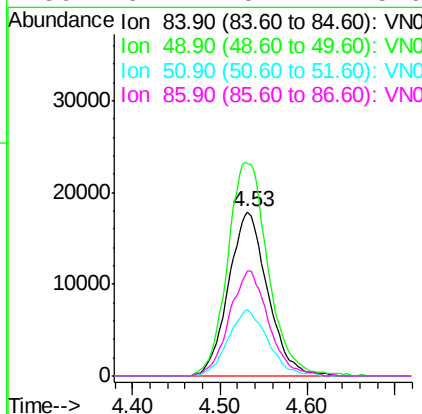
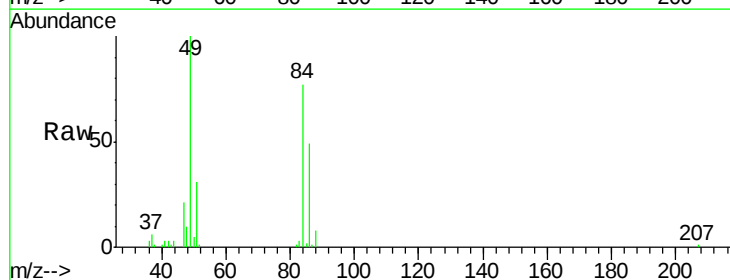
Instrument :
MSVOA_N
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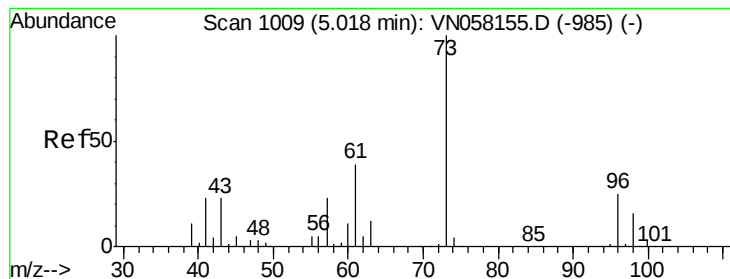
Tot Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
74 15.8 18.0 27.0#



#20
Methylene Chloride
Concen: 15.203 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion: 84 Resp: 55430
Ion Ratio Lower Upper
84 100
49 129.9 107.5 161.3
51 40.4 33.9 50.9
86 64.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

SU-03-092319

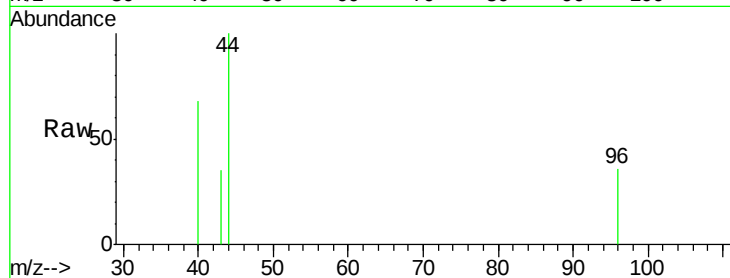
Tot Ion: 96 Resp: 62

Ion Ratio Lower Upper

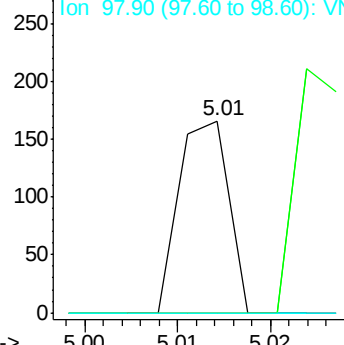
96 100

61 0.0 122.2 183.4#

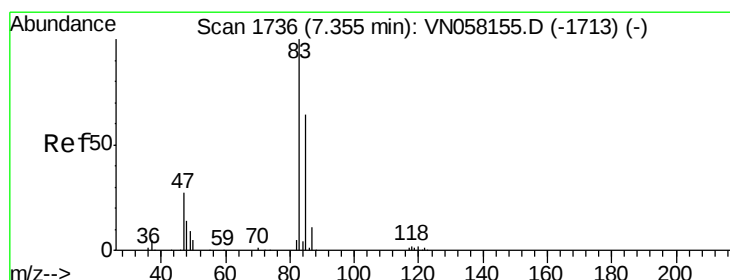
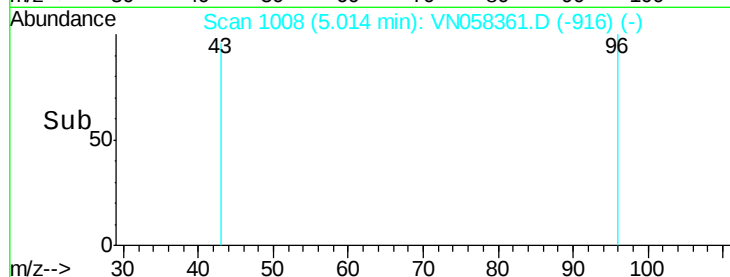
98 0.0 49.9 74.9#



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



Time-->



#30

Chloroform

Concen: 0.332 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058361.D

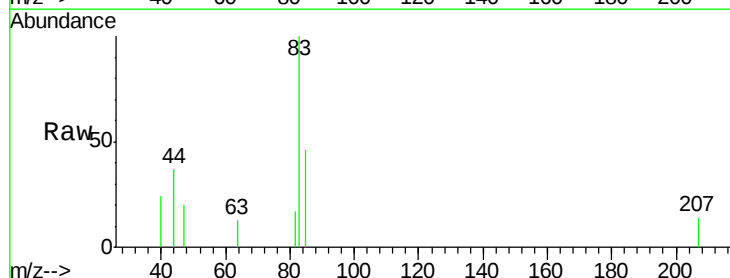
Acq: 25 Sep 2019 12:58

Tgt Ion: 83 Resp: 2794

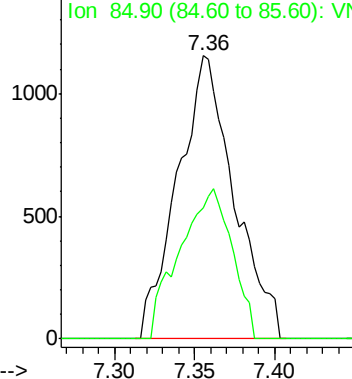
Ion Ratio Lower Upper

83 100

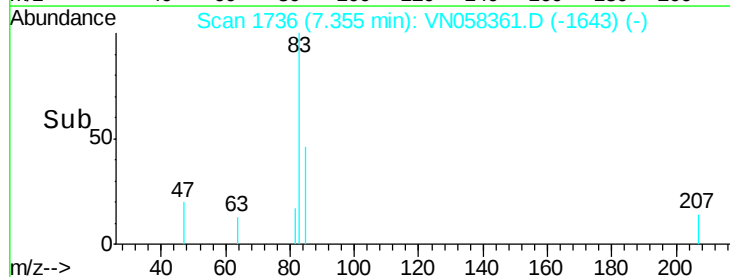
85 46.1 51.4 77.2#

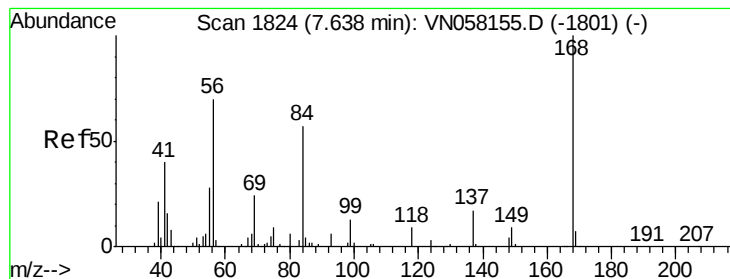


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO



Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

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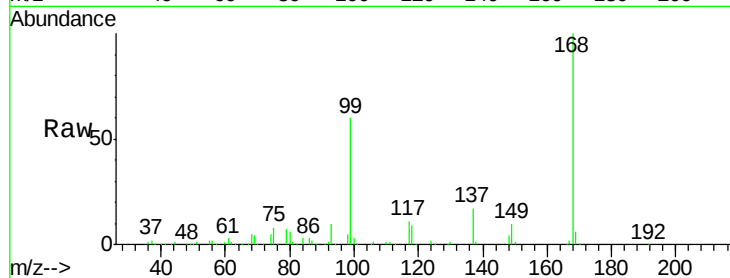
Tot Ion: 56 Resp: 10965

Ion Ratio Lower Upper

56 100

69 157.8 27.3 40.9#

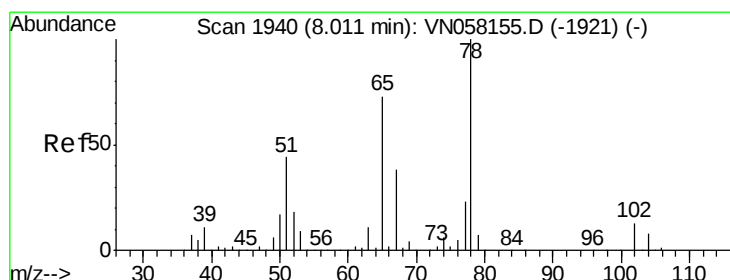
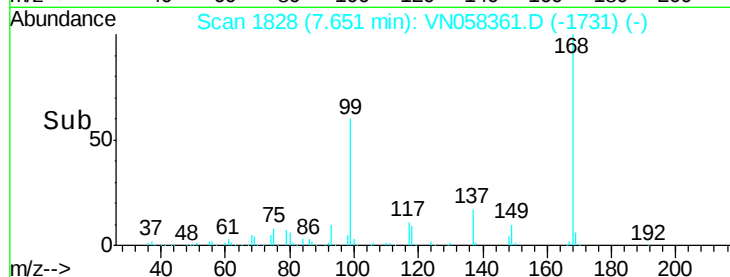
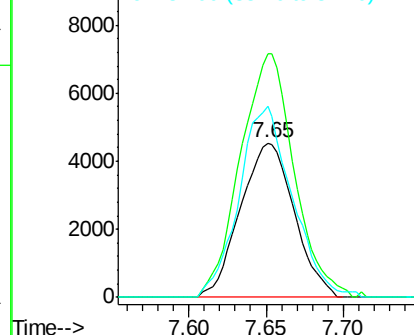
84 123.5 65.0 97.4#



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: 51.782 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058361.D

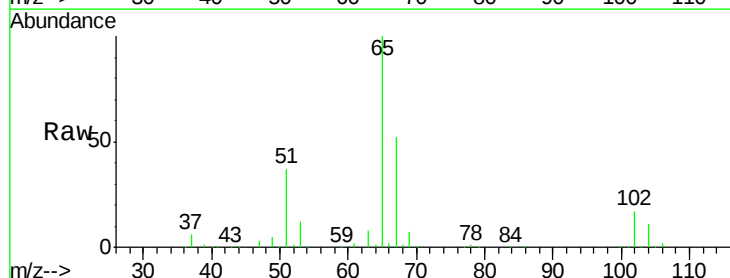
Acq: 25 Sep 2019 12:58

Tgt Ion: 65 Resp: 314486

Ion Ratio Lower Upper

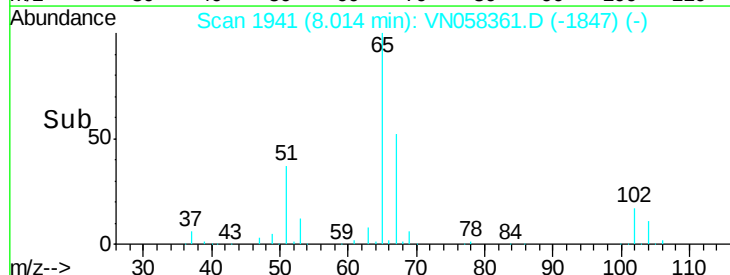
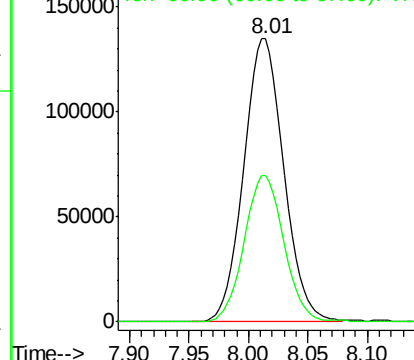
65 100

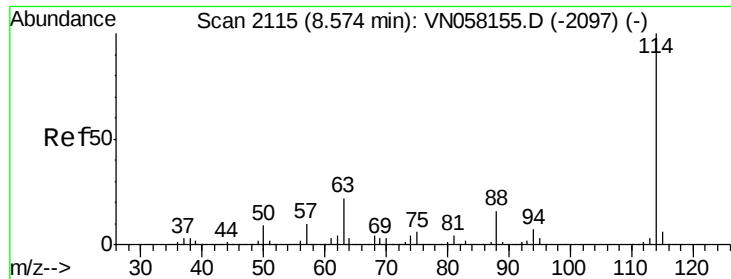
67 51.5 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

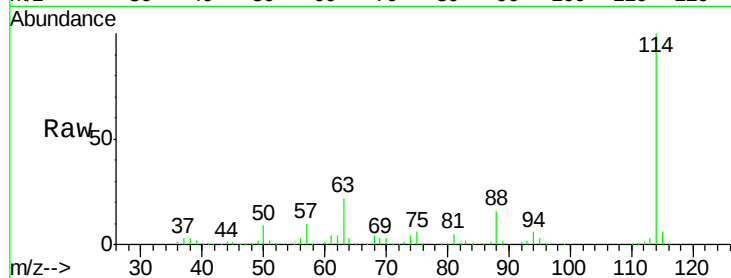




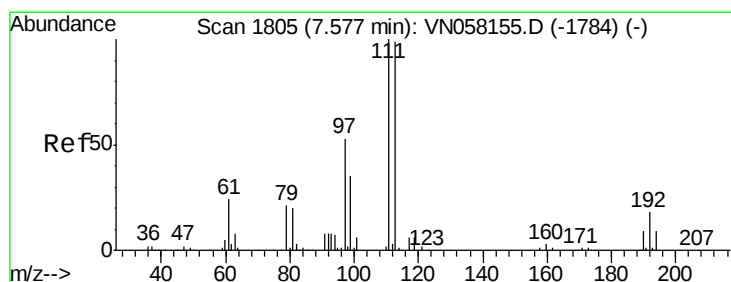
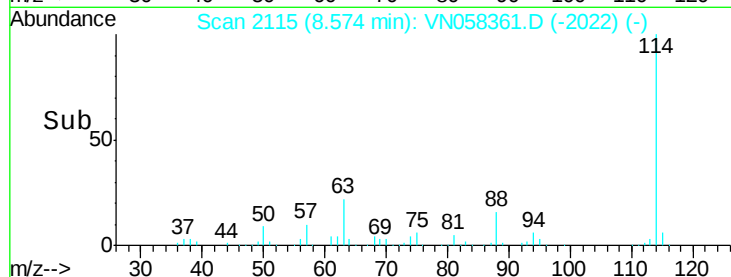
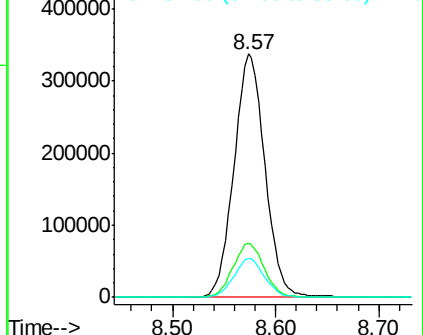
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-092319

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.2
88	16.0	0.0	31.6

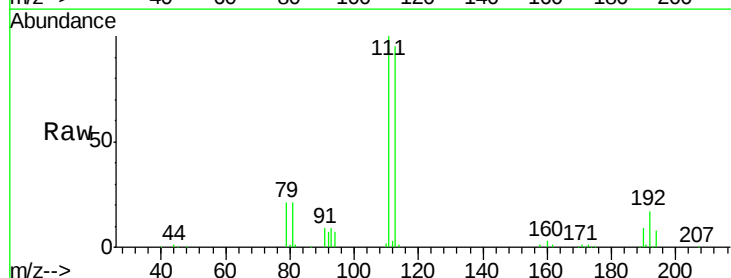


Abundance Ion 113.90 (113.60 to 114.60): V

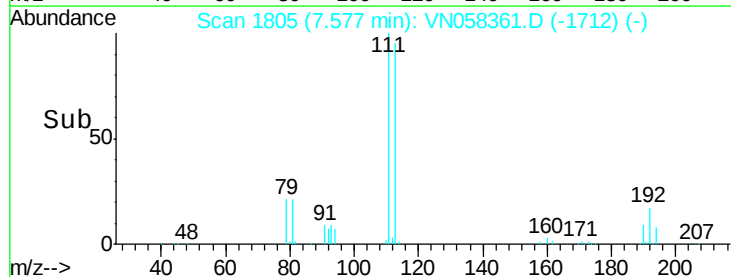
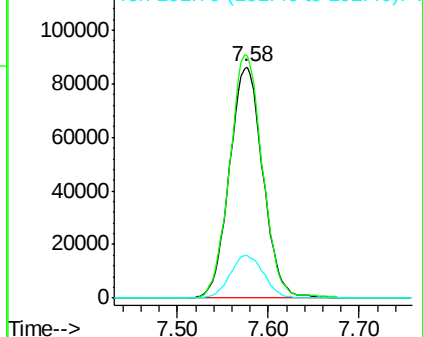


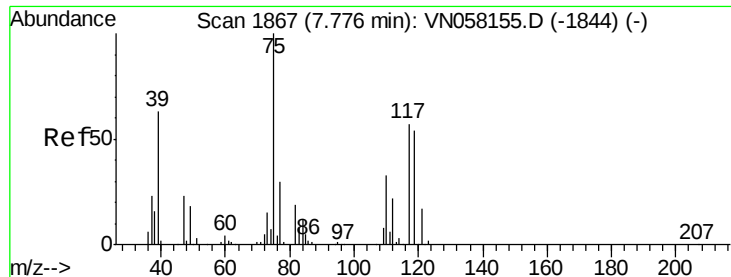
#35
 Dibromofluoromethane
 Concen: 51.420 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	18.7	14.5	21.7



Abundance Ion 112.80 (112.50 to 113.50): V

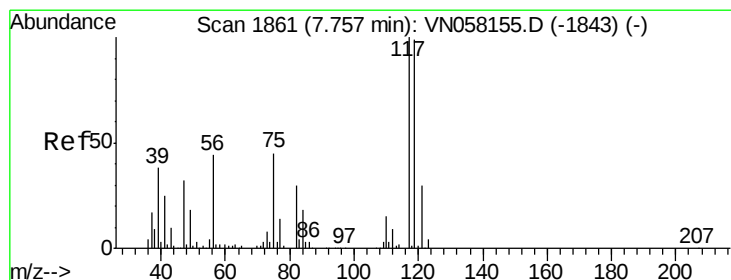
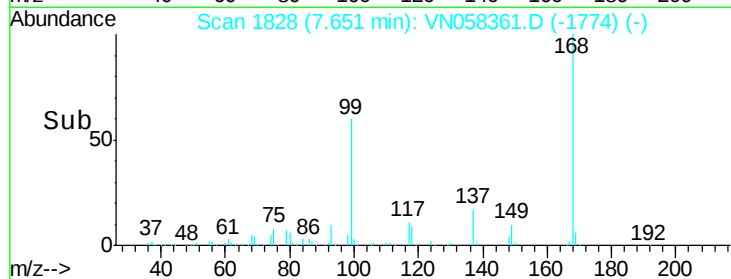
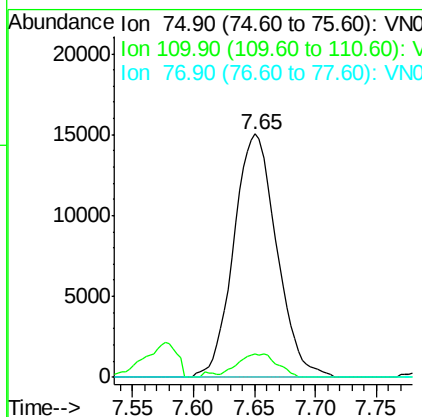
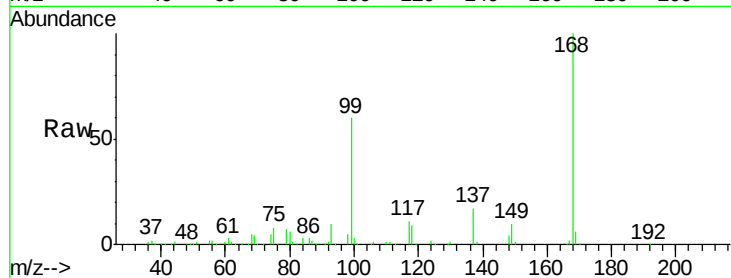




#36
 1,1-Dichloropropene
 Concen: 7.204 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

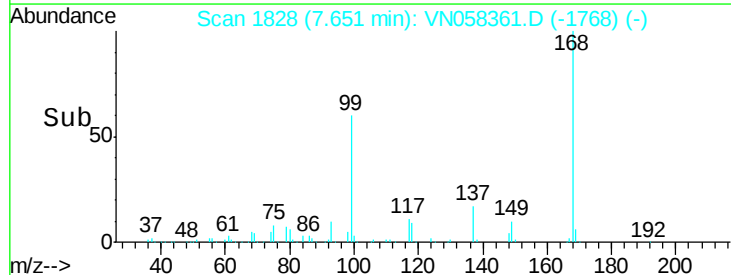
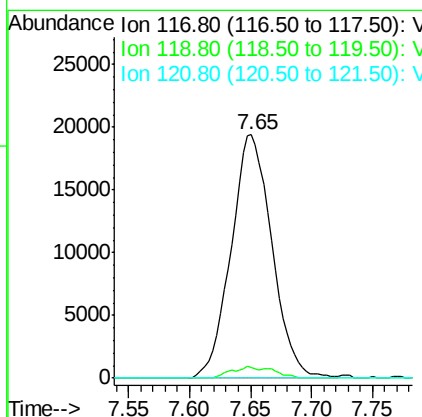
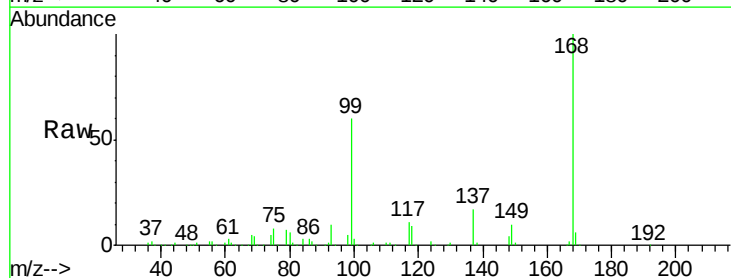
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-092319

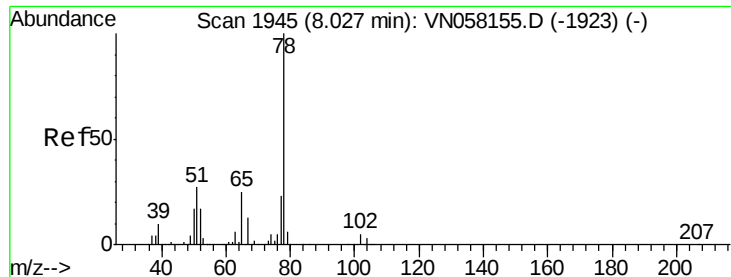
Tot Ion	75	Resp	36630
Ion Ratio	Lower	Upper	
75	100		
110	9.0	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.813 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Tgt Ion	117	Resp	45045
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.6	78.6	117.8#
121	0.0	24.1	36.1#





#40

Benzene

Concen: 0.244 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

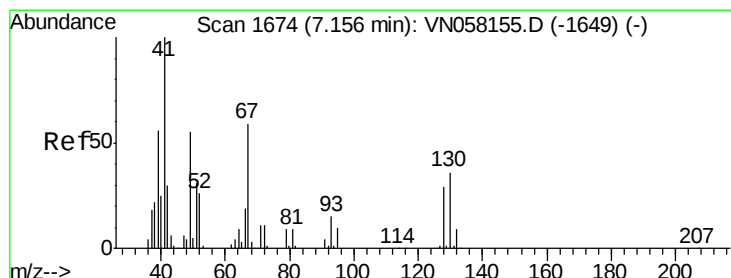
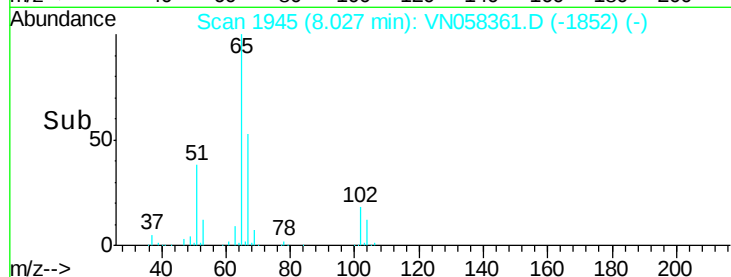
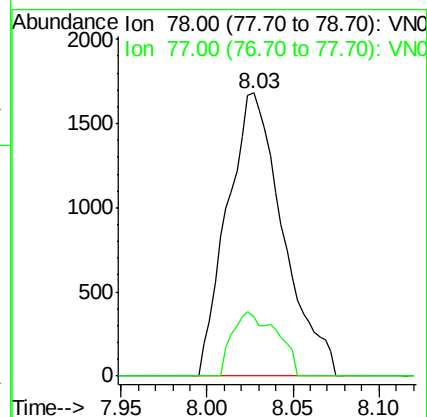
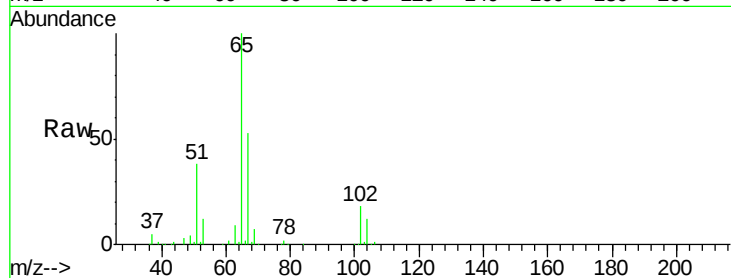
SU-03-092319

Tot Ion: 78 Resp: 3797

Ion Ratio Lower Upper

78 100

77 21.0 18.8 28.2



#41

Methacrylonitrile

Concen: 1.008 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Tgt Ion: 41 Resp: 264

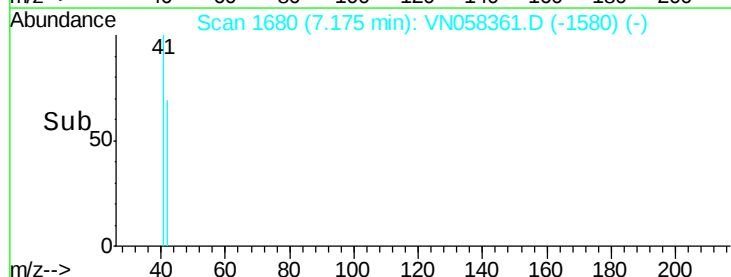
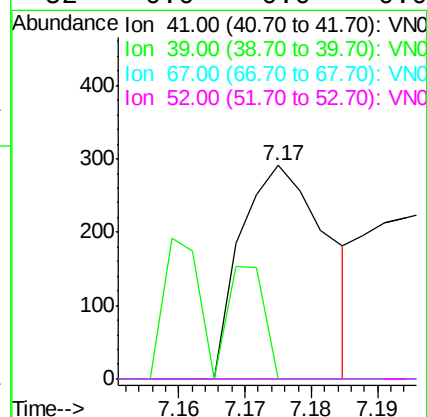
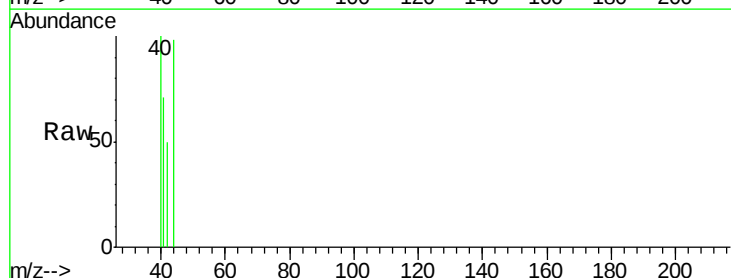
Ion Ratio Lower Upper

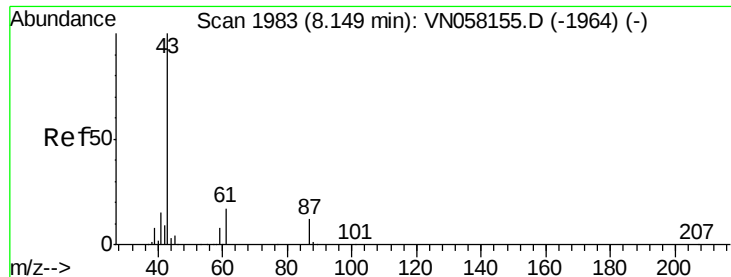
41 100

39 22.3 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 8.574 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

SU-03-092319

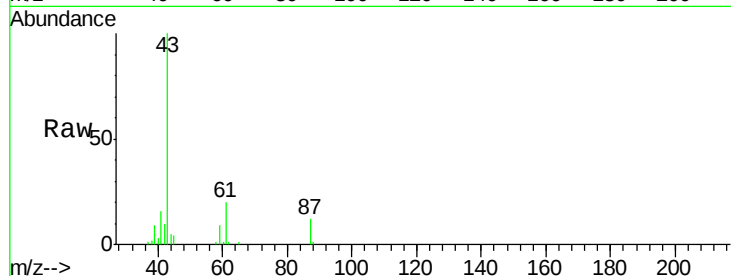
Tot Ion: 43 Resp: 84501

Ion Ratio Lower Upper

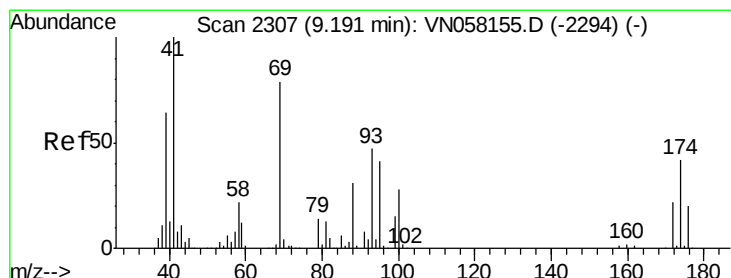
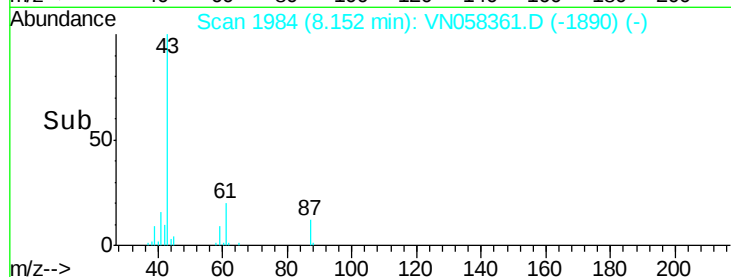
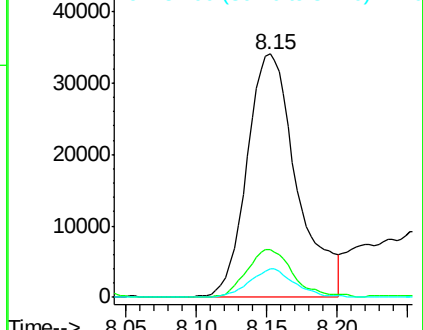
43 100

61 18.2 19.7 29.5#

87 10.4 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.034 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

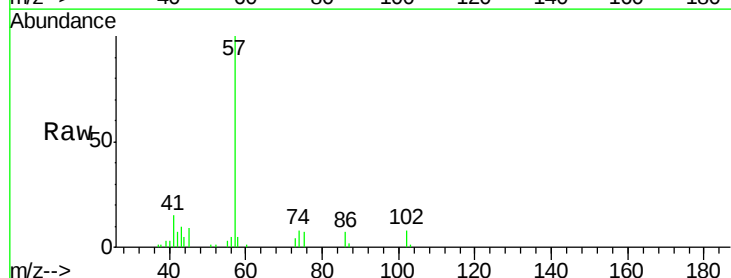
Tgt Ion: 41 Resp: 4627

Ion Ratio Lower Upper

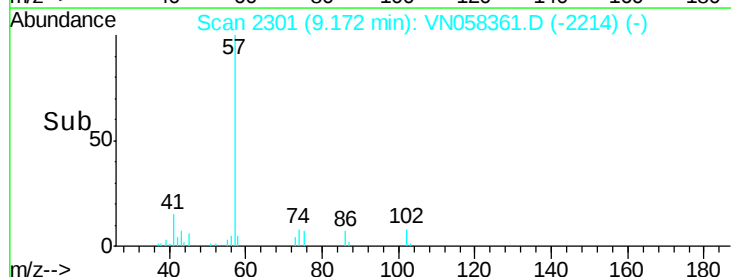
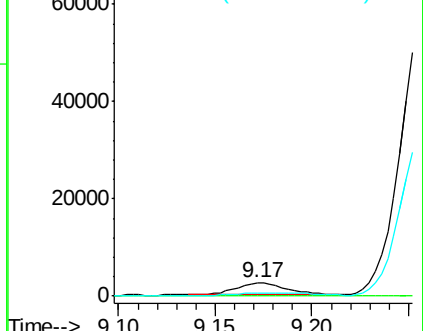
41 100

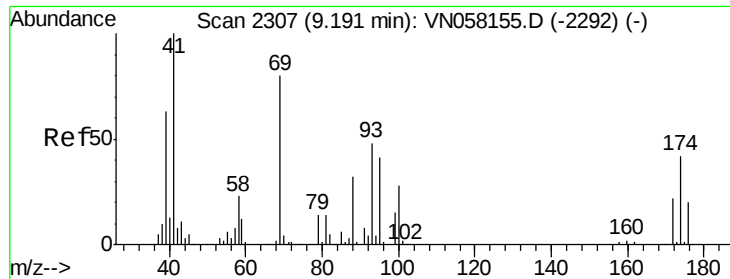
69 0.0 62.5 93.7#

39 0.0 52.3 78.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

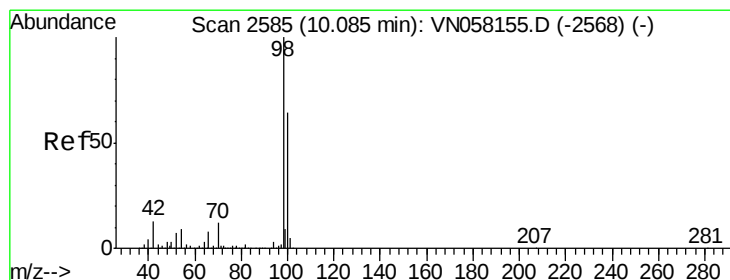
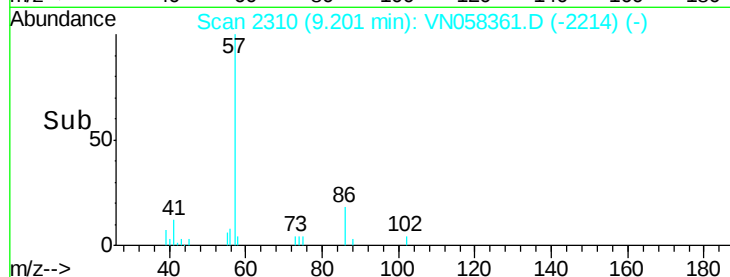
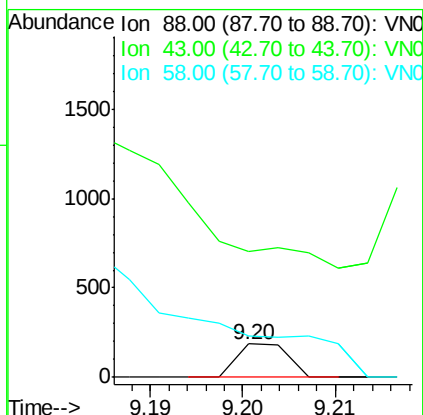
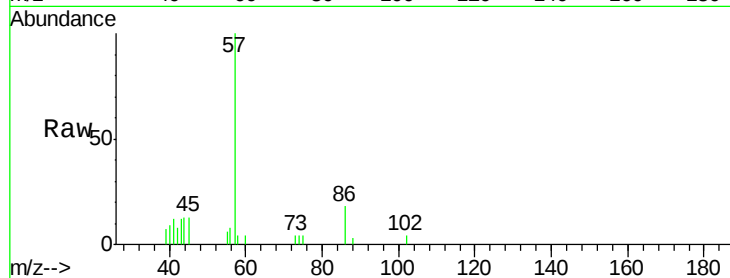




#49
1,4-Dioxane
Concen: 0.966 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

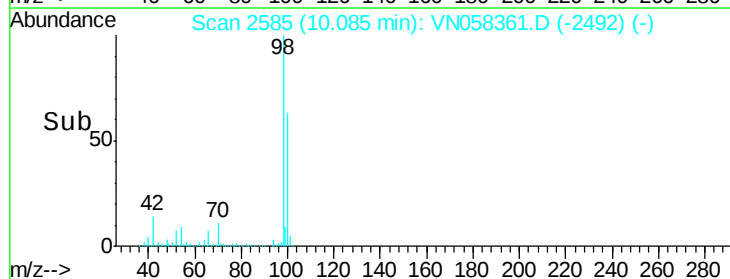
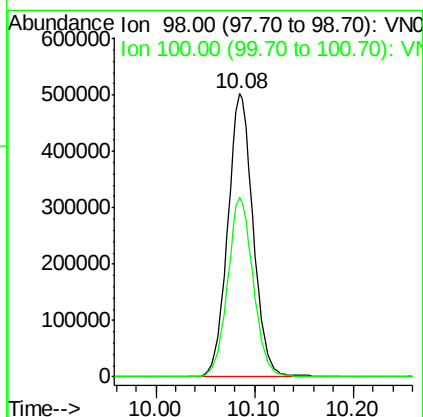
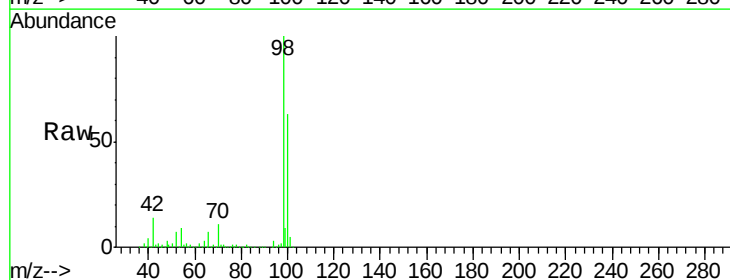
Instrument :
MSVOA_N
ClientSampleId :
SU-03-092319

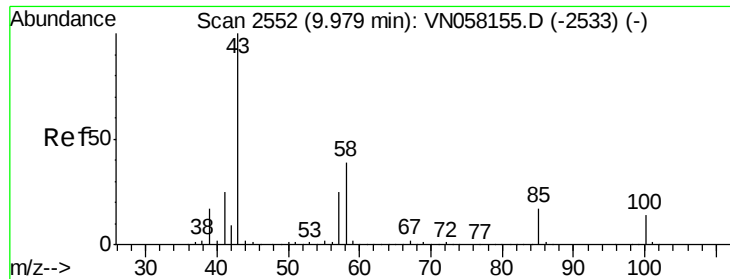
Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 0.0 55.0 82.4#



#50
Toluene-d8
Concen: 54.015 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion: 98 Resp: 902069
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.632 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

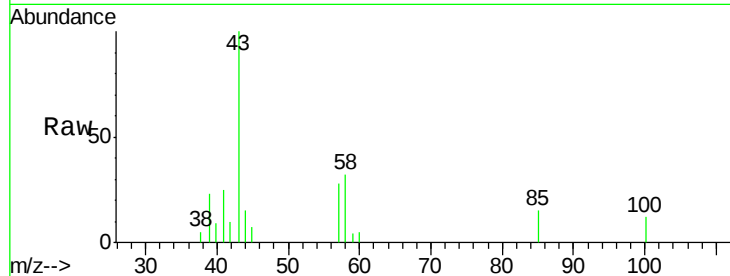
SU-03-092319

Tot Ion: 43 Resp: 8541

Ion Ratio Lower Upper

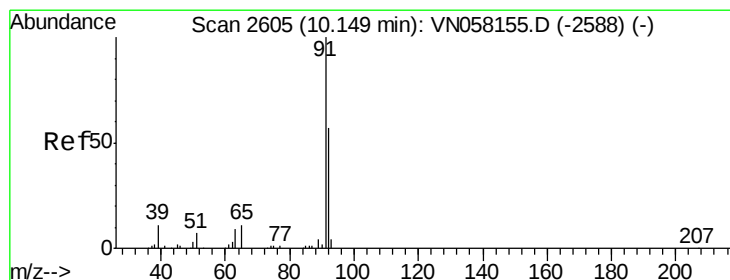
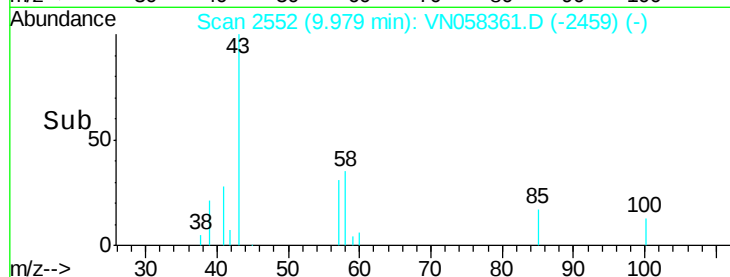
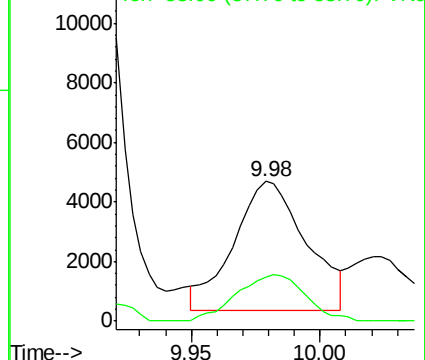
43 100

58 34.1 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: 0.731 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058361.D

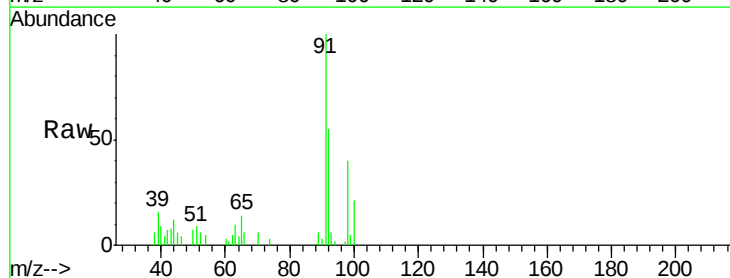
Acq: 25 Sep 2019 12:58

Tgt Ion: 92 Resp: 7115

Ion Ratio Lower Upper

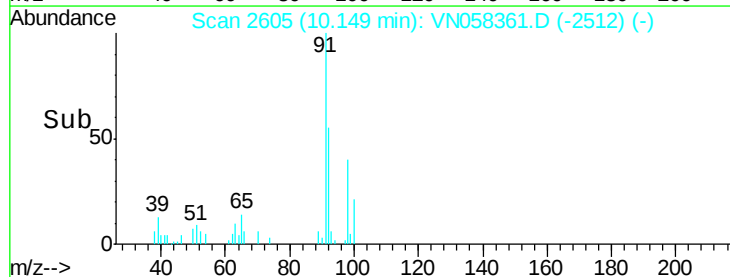
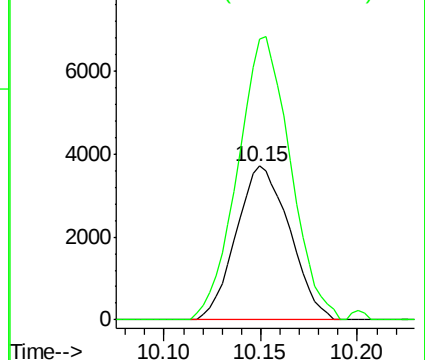
92 100

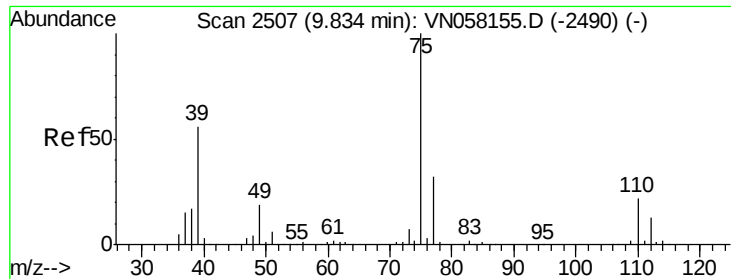
91 181.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



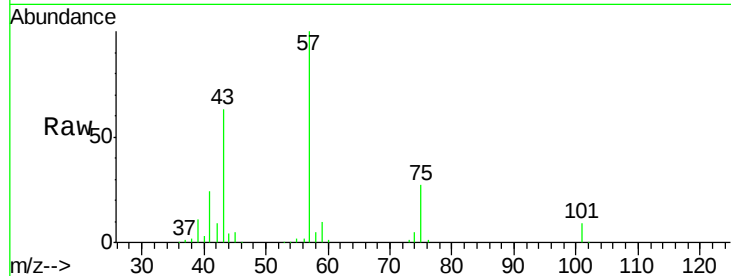


#54

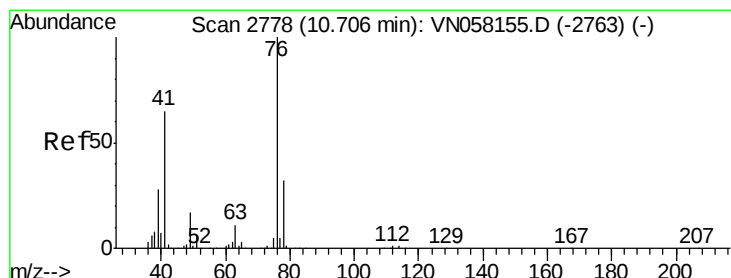
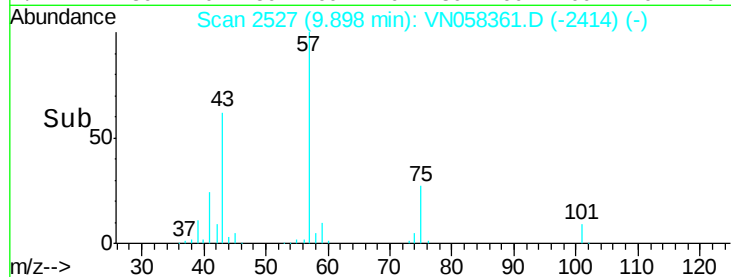
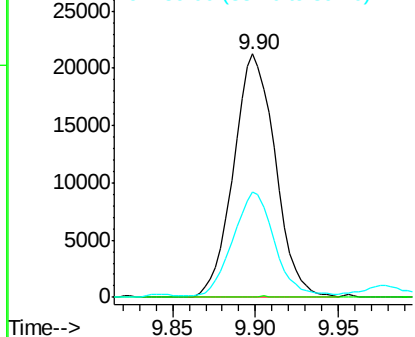
cis-1,3-Dichloropropene
 Concen: 5.575 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-092319

Tot Ion: 75 Resp: 37245
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 42.4 45.0 67.6#



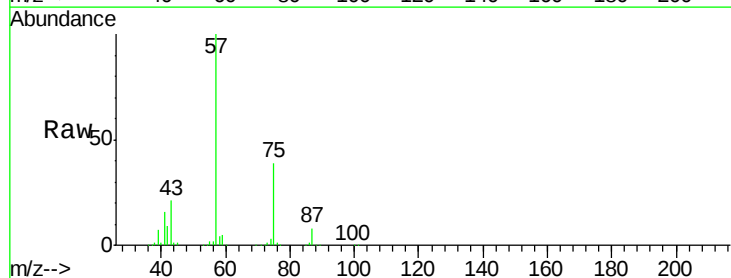
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



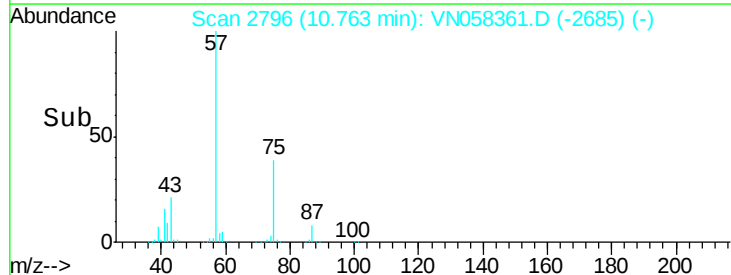
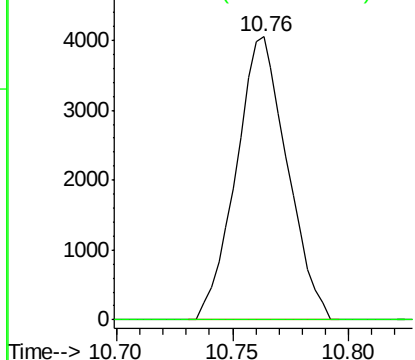
#57

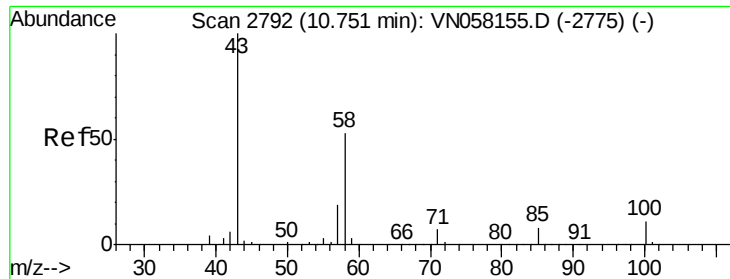
1,3-Dichloropropane
 Concen: 0.835 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Tgt Ion: 76 Resp: 6197
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO
 Ion 77.90 (77.60 to 78.60): VNO

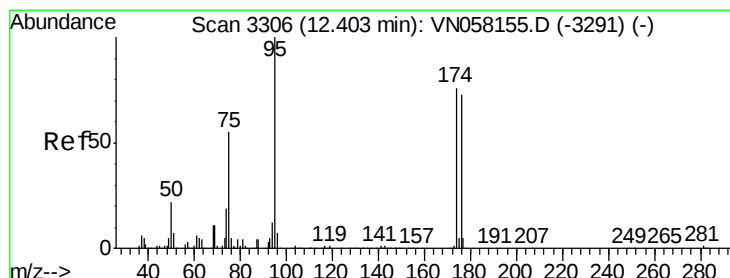
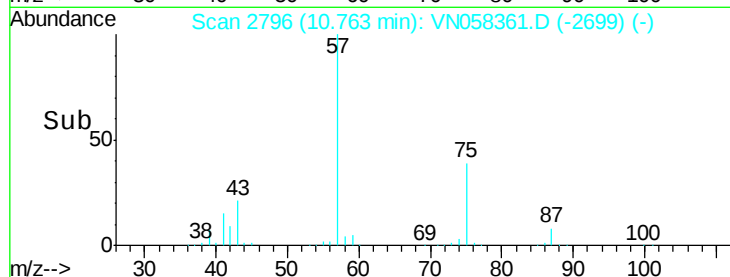
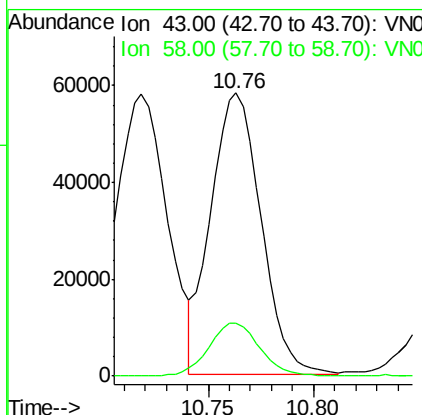
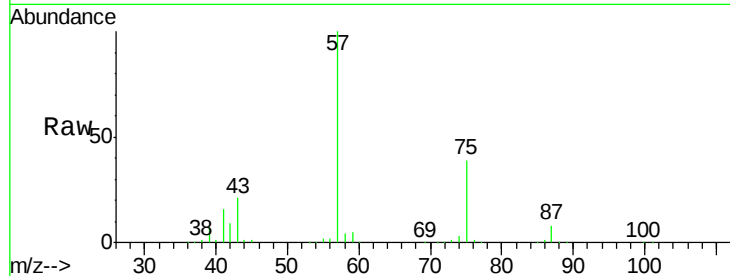




#59
2-Hexanone
Concen: 24.639 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

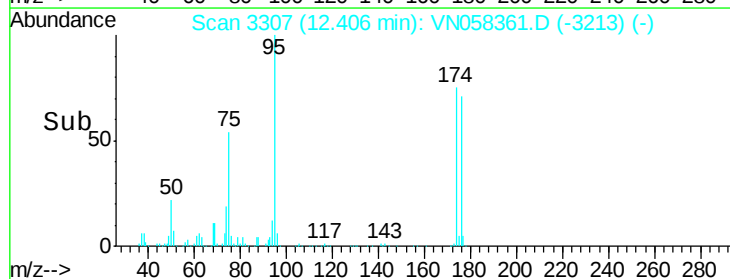
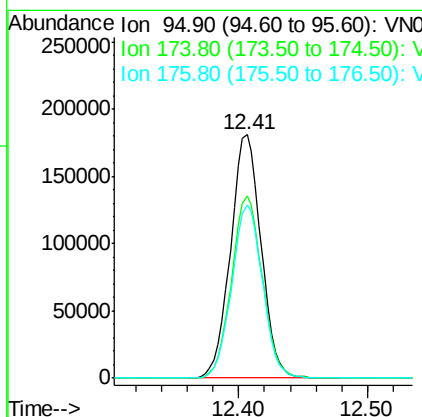
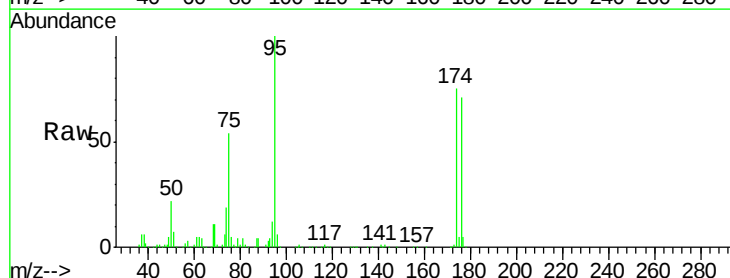
Instrument :
MSVOA_N
ClientSampleId :
SU-03-092319

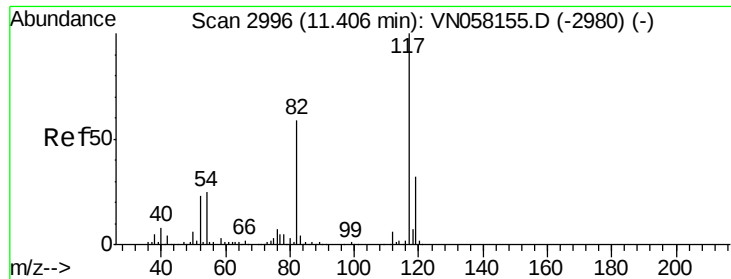
Tot Ion: 43 Resp: 95787
Ion Ratio Lower Upper
43 100
58 19.3 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 47.968 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion: 95 Resp: 297570
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.2
176 71.8 0.0 148.0

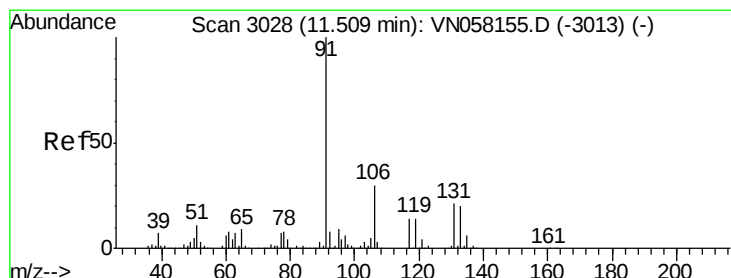
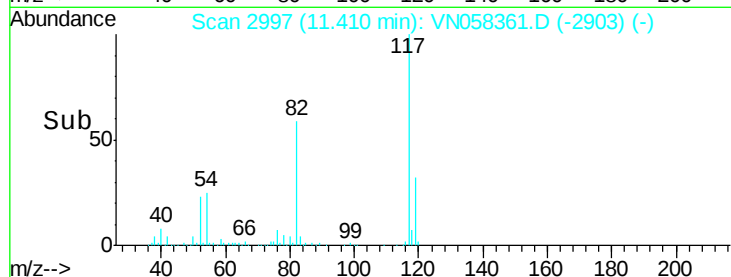
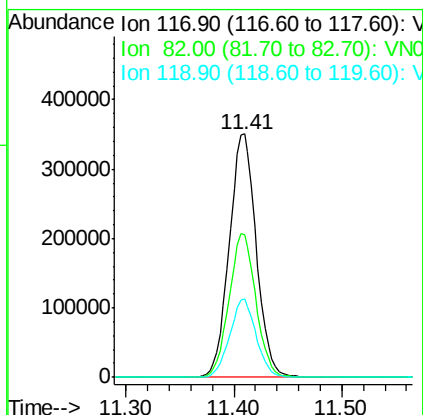
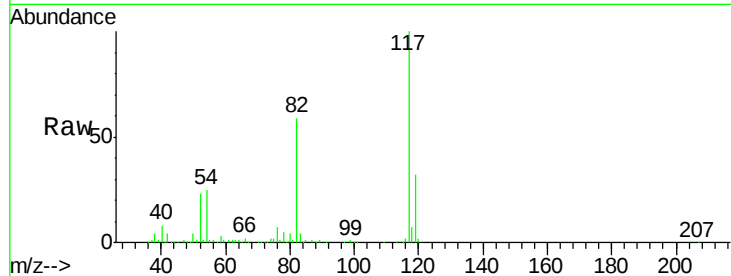




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

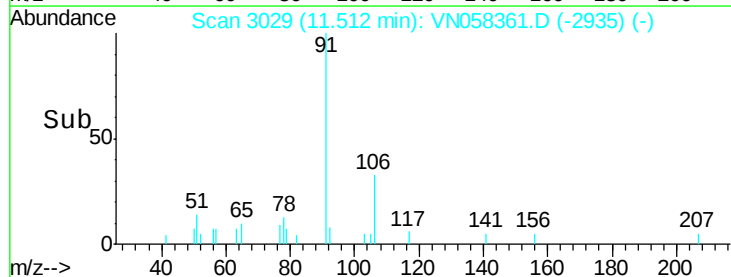
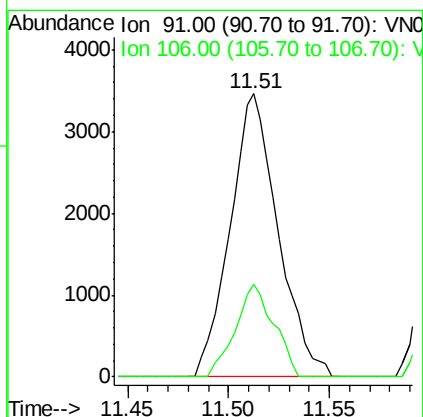
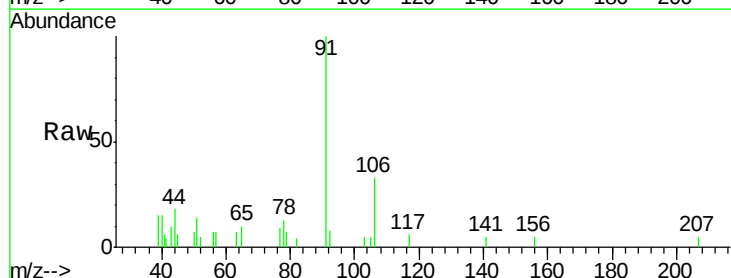
Instrument :
MSVOA_N
ClientSampleId :
SU-03-092319

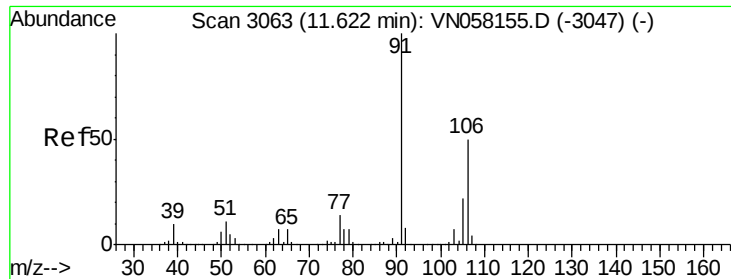
Tot Ion:117 Resp: 611355
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 32.1 25.3 37.9



#67
Ethyl Benzene
Concen: 0.312 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion: 91 Resp: 5746
Ion Ratio Lower Upper
91 100
106 32.8 24.0 36.0

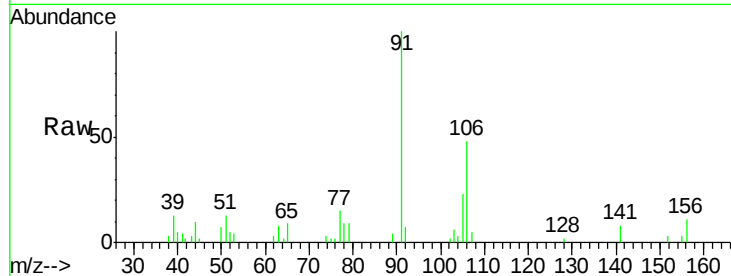




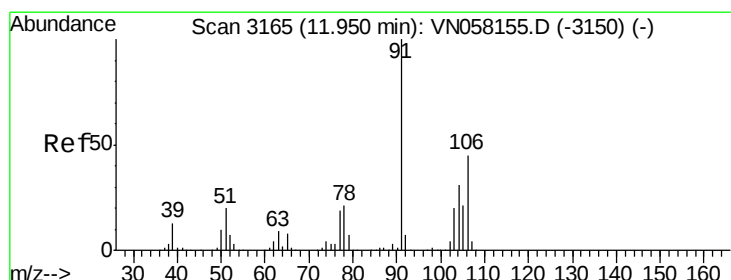
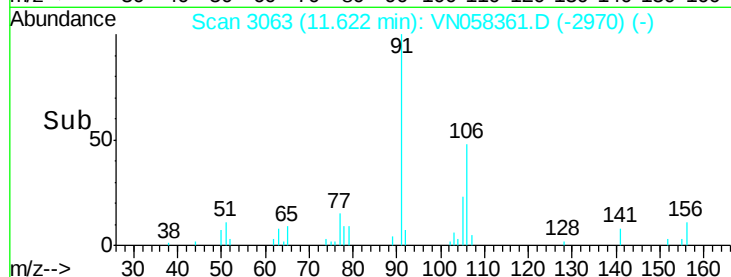
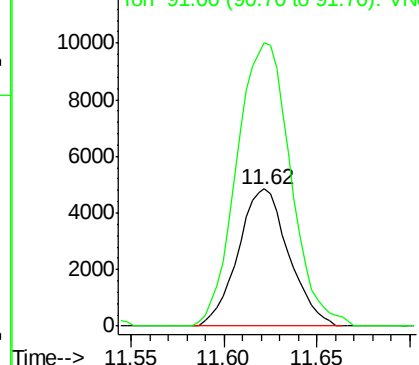
#68
m/p-Xylenes
Concen: 1.328 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
SU-03-092319

Tot Ion:106 Resp: 9218
Ion Ratio Lower Upper
106 100
91 220.0 163.6 245.4

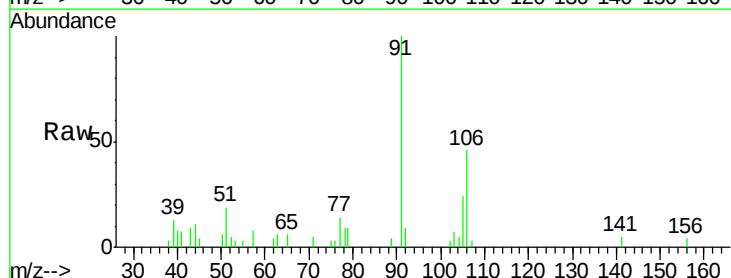


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

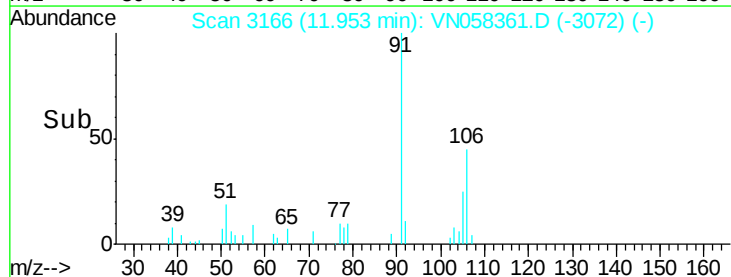
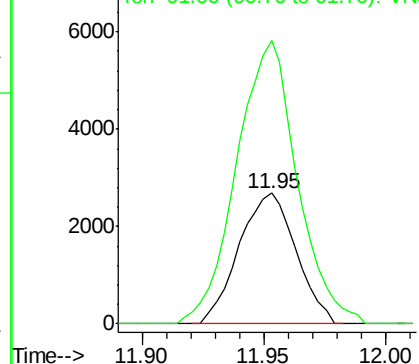


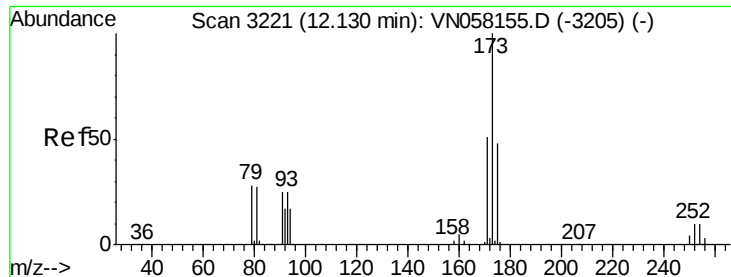
#69
o-Xylene
Concen: 0.636 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058361.D
Acq: 25 Sep 2019 12:58

Tgt Ion:106 Resp: 4341
Ion Ratio Lower Upper
106 100
91 231.3 111.8 335.3



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





#71

Bromoform

Concen: 4.232 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

SU-03-092319

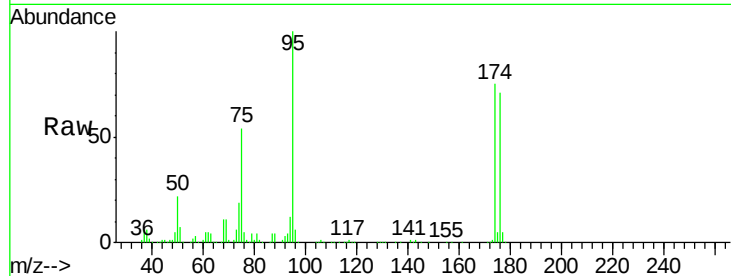
Tot Ion:173 Resp: 1983

Ion Ratio Lower Upper

173 100

175 679.5 24.2 72.6#

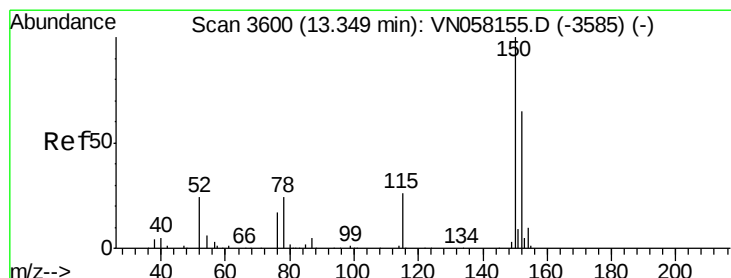
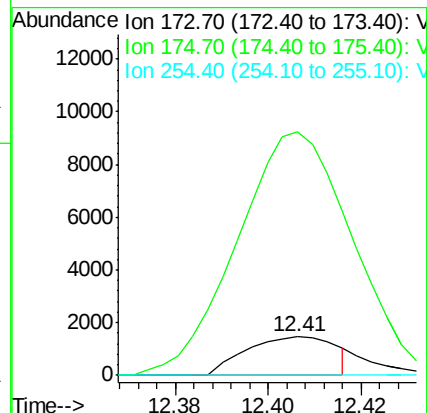
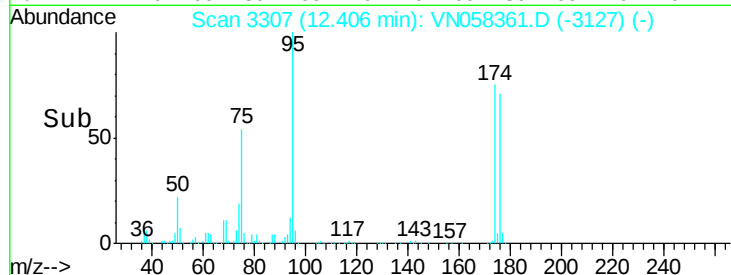
254 0.0 0.1 0.1#



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# 3600

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

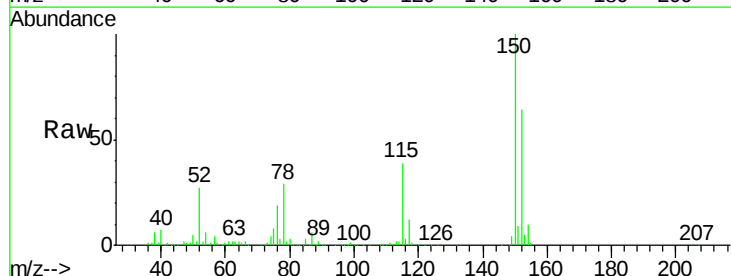
Tgt Ion:152 Resp: 263826

Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.3

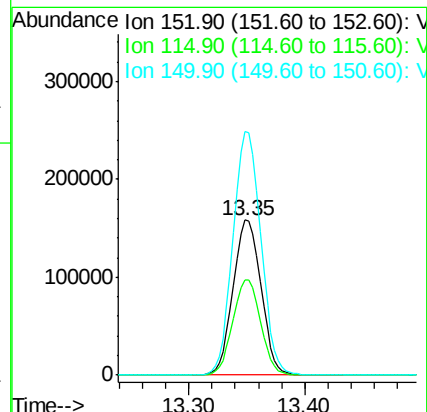
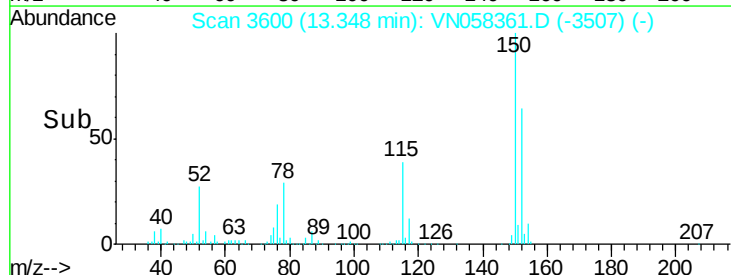
150 156.9 0.0 346.4

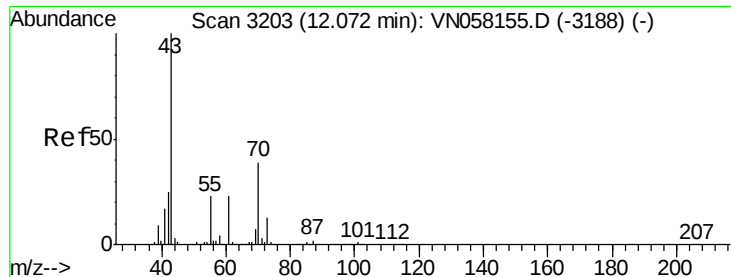


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.635 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

SU-03-092319

Tot Ion: 43 Resp: 4387

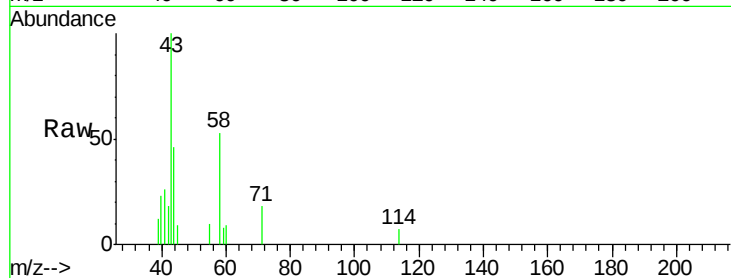
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 8.0 18.5 27.7#

61 0.0 18.2 27.2#

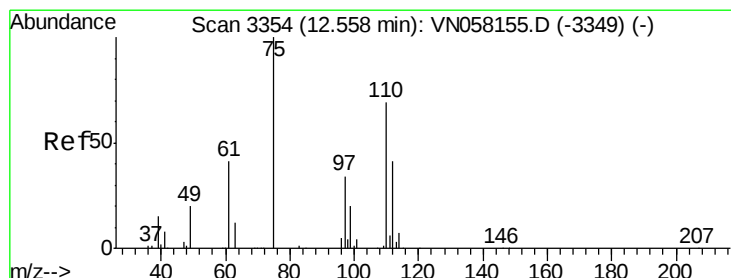
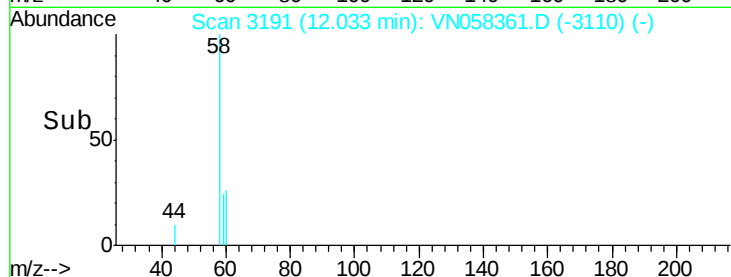
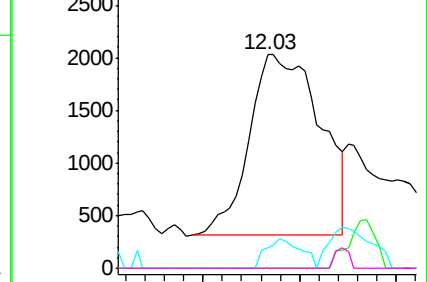


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 34.370 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058361.D

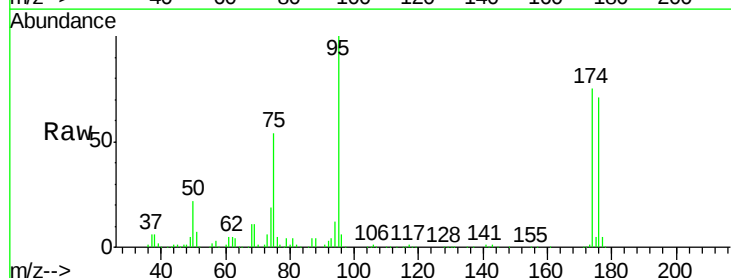
Acq: 25 Sep 2019 12:58

Tgt Ion: 75 Resp: 162283

Ion Ratio Lower Upper

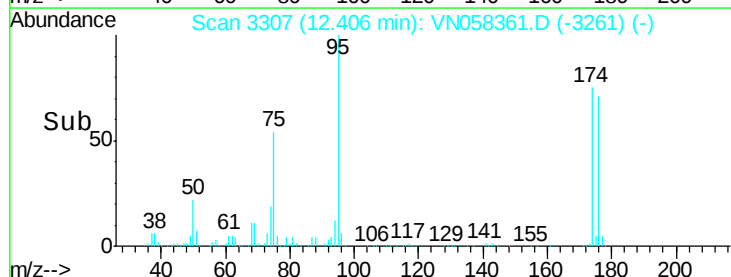
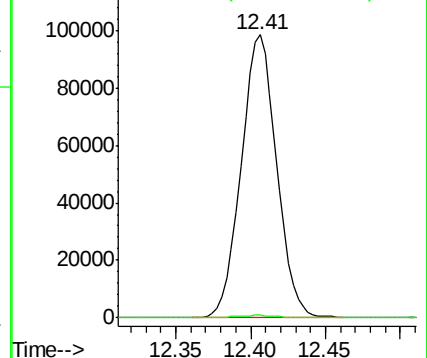
75 100

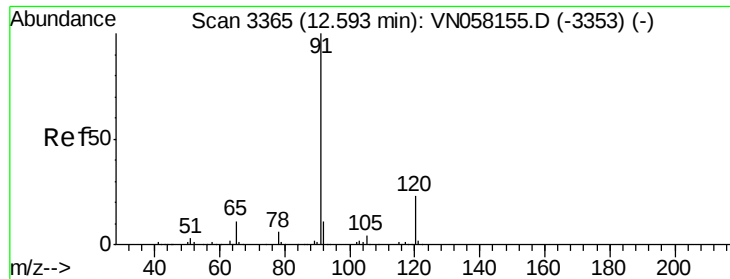
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.322 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

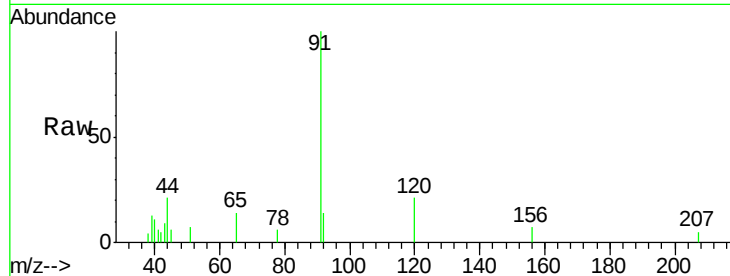
SU-03-092319

Tot Ion: 91 Resp: 6051

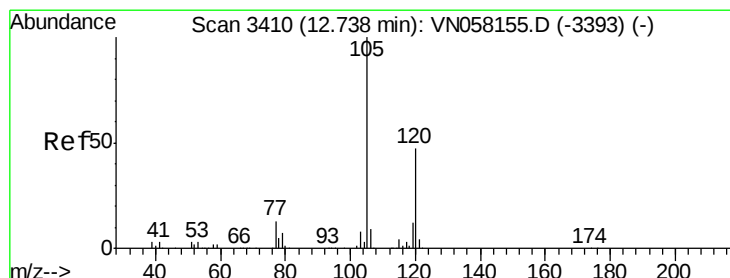
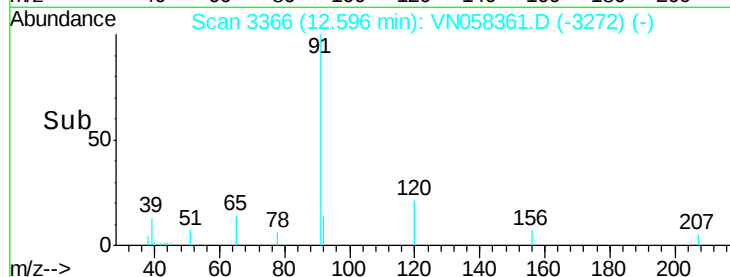
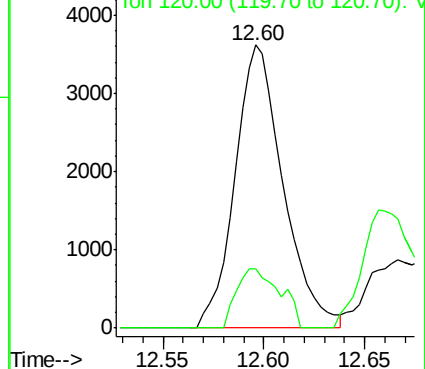
Ion Ratio Lower Upper

91 100

120 18.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3353) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.663 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058361.D

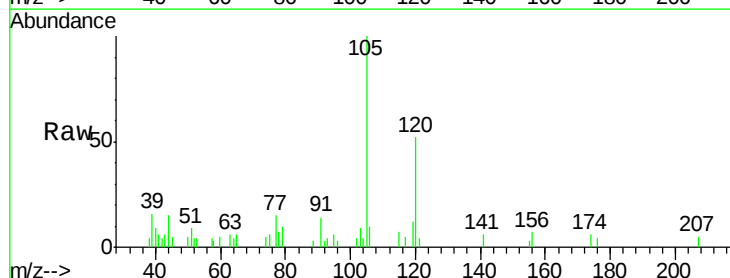
Acq: 25 Sep 2019 12:58

Tgt Ion: 105 Resp: 9258

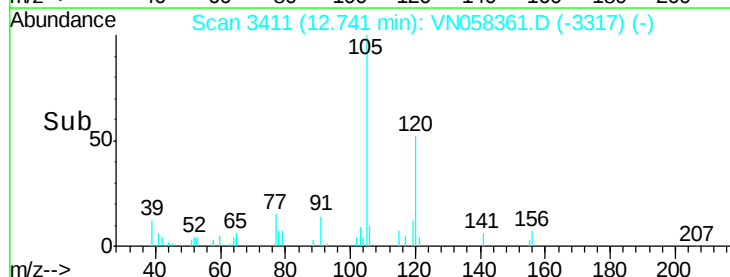
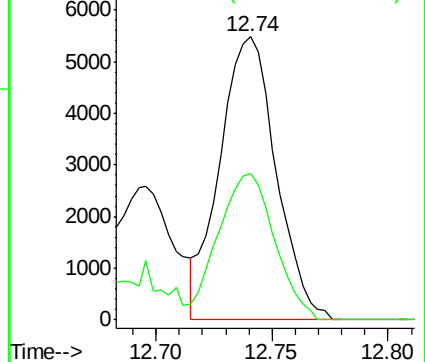
Ion Ratio Lower Upper

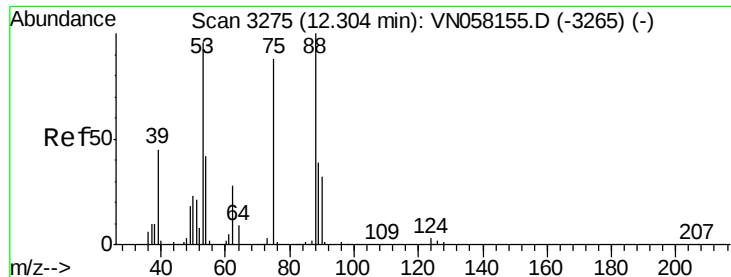
105 100

120 52.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 96.249 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

SU-03-092319

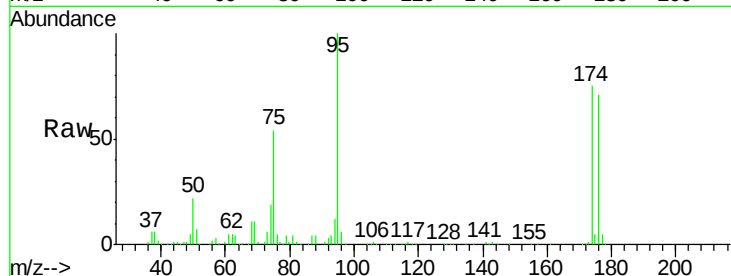
Tot Ion: 75 Resp: 162283

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

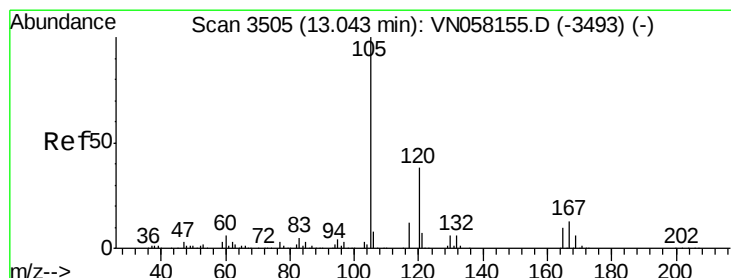
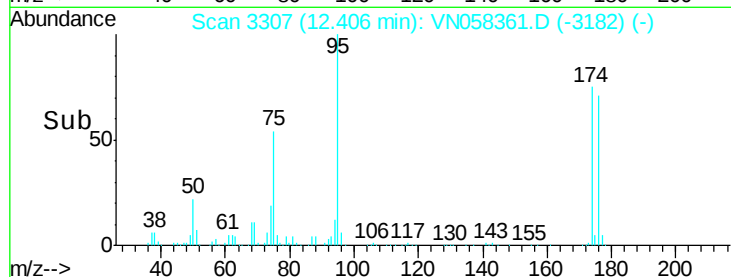
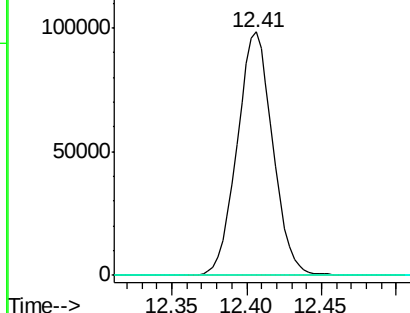
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 1.520 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058361.D

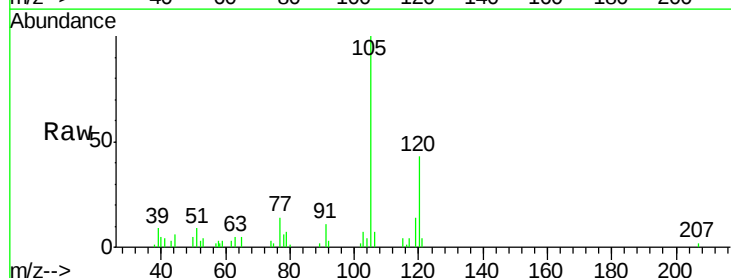
Acq: 25 Sep 2019 12:58

Tgt Ion: 105 Resp: 21126

Ion Ratio Lower Upper

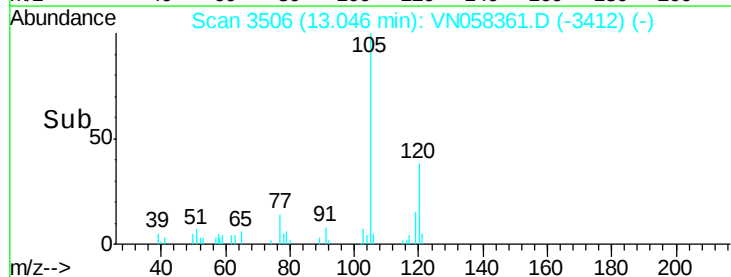
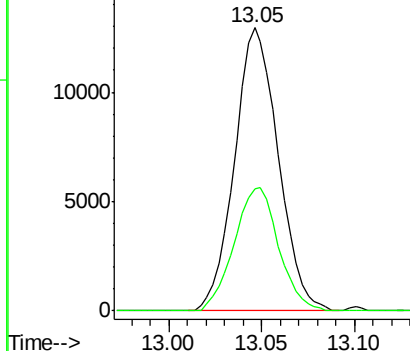
105 100

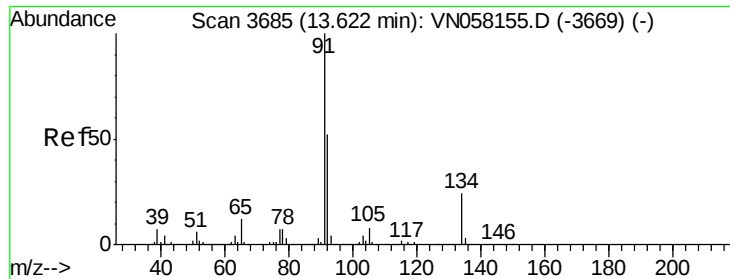
120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.345 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

SU-03-092319

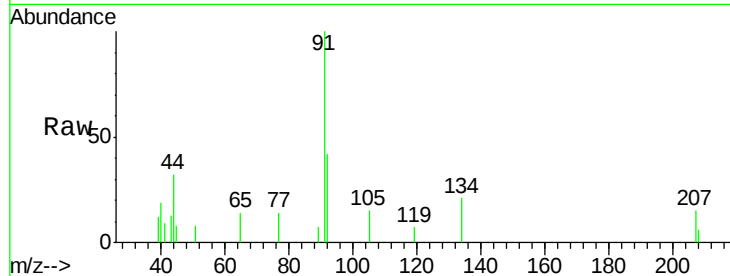
Tot Ion: 91 Resp: 4735

Ion Ratio Lower Upper

91 100

92 37.9 25.7 77.0

134 0.0 11.8 35.4#

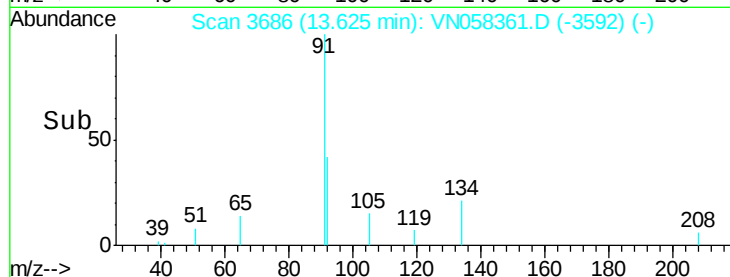


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

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

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

Time-->

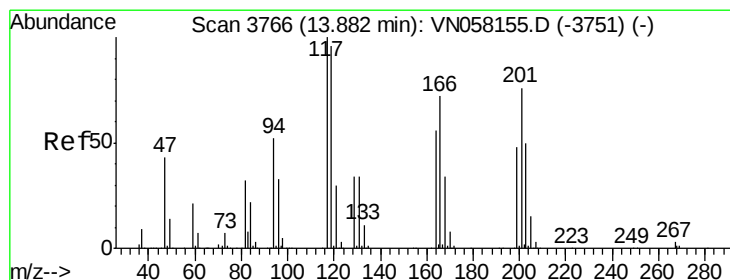


Abundance Ion 91.00 (90.70 to 91.70): VN058361.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058361.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058361.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 2.995 ug/l

RT: 13.90 min Scan# 3772

Delta R.T. 0.02 min

Lab File: VN058361.D

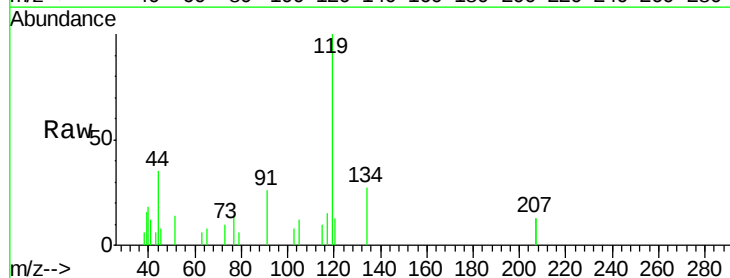
Acq: 25 Sep 2019 12:58

Tgt Ion: 117 Resp: 463

Ion Ratio Lower Upper

117 100

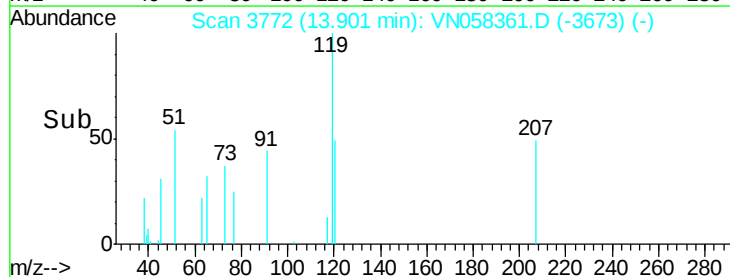
201 0.0 37.5 112.5#



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

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

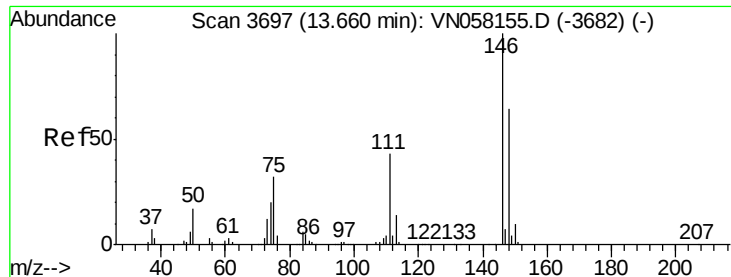
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058361.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058361.D (-3673) (-)

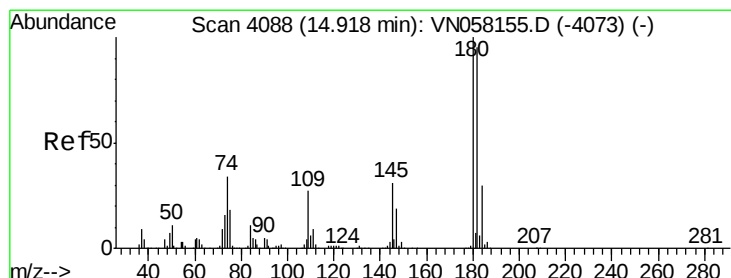
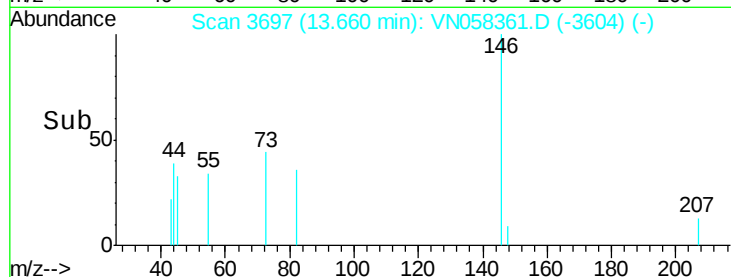
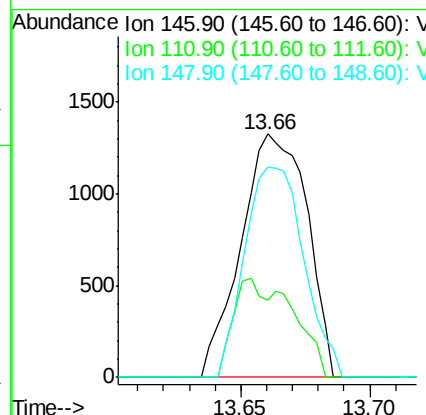
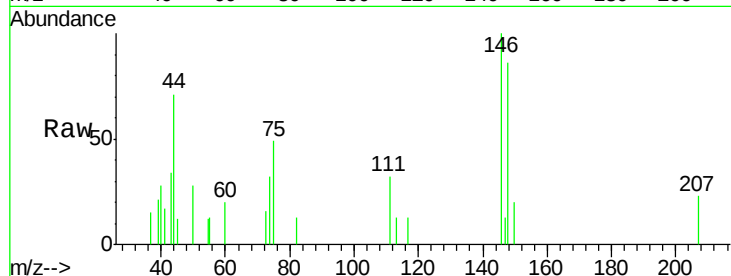
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 0.311 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

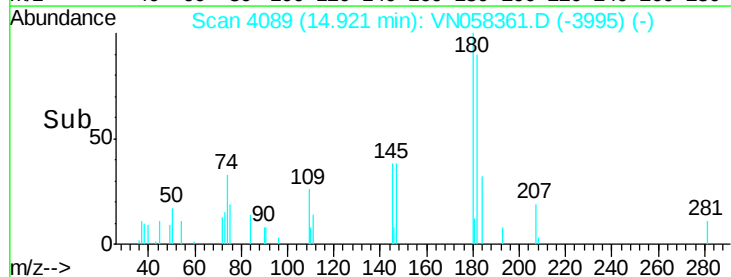
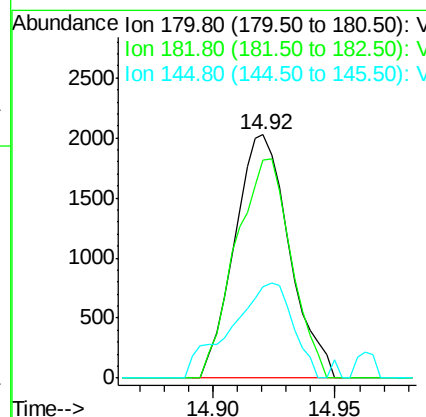
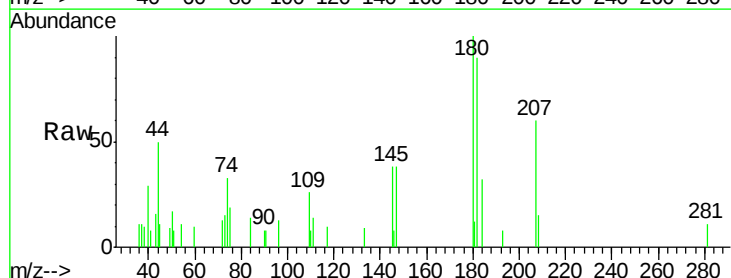
Instrument :
 MSVOA_N
 ClientSampled :
 SU-03-092319

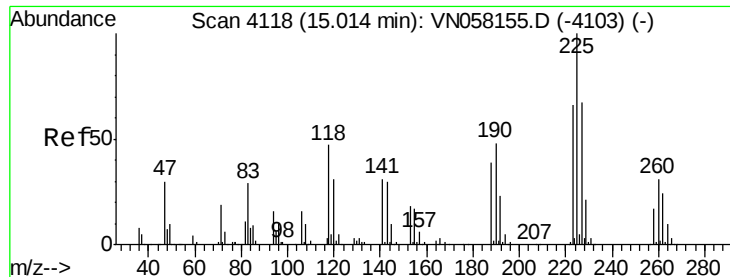
Tot Ion:146 Resp: 2369
 Ion Ratio Lower Upper
 146 100
 111 20.1 21.1 63.1#
 148 77.6 31.8 95.4



#93
 1,2,4-Trichlorobenzene
 Concen: 0.649 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058361.D
 Acq: 25 Sep 2019 12:58

Tgt Ion:180 Resp: 3154
 Ion Ratio Lower Upper
 180 100
 182 91.0 47.8 143.3
 145 44.4 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.246 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampled :

SU-03-092319

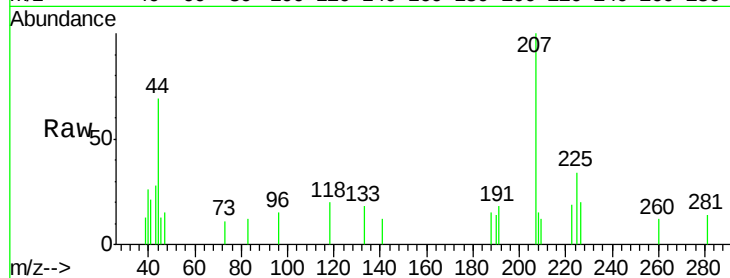
Tot Ion:225 Resp: 577

Ion Ratio Lower Upper

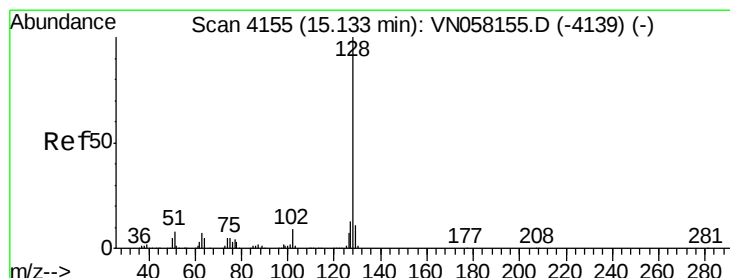
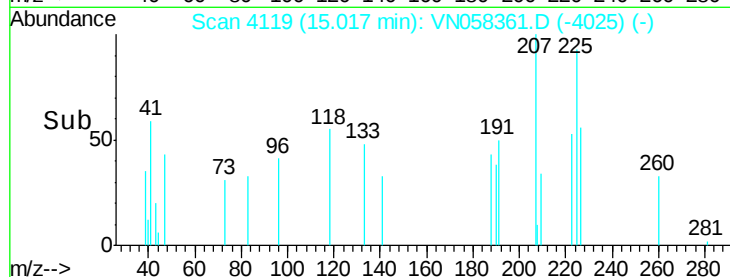
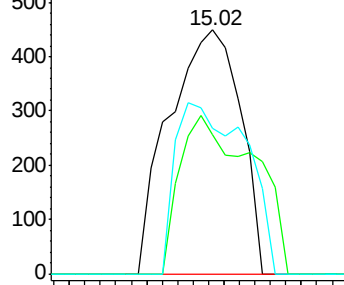
225 100

223 66.6 32.6 97.7

227 68.6 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: 39.607 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

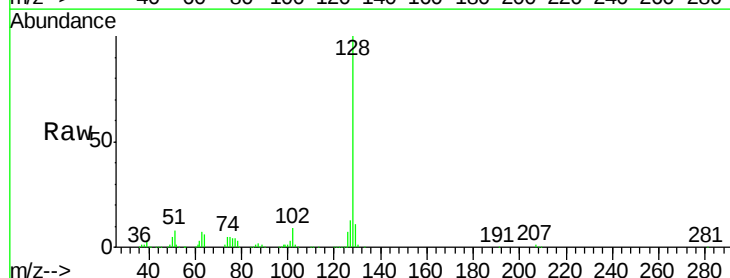
Tgt Ion:128 Resp: 499124

Ion Ratio Lower Upper

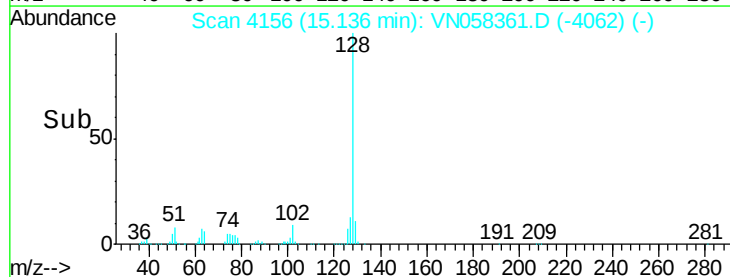
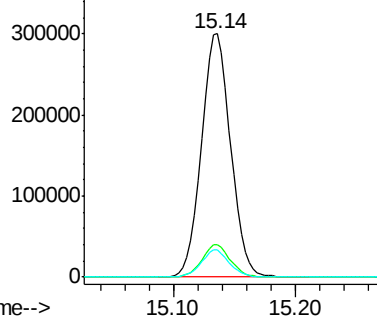
128 100

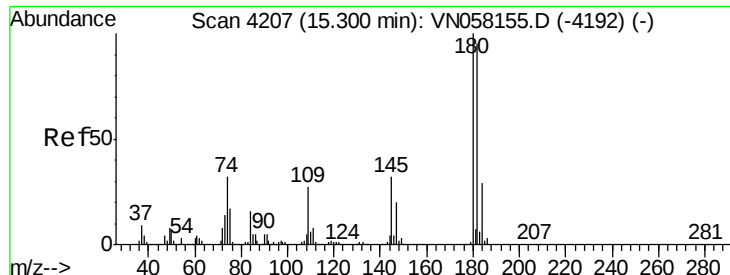
127 12.9 10.2 15.2

129 10.8 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: 0.815 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058361.D

Acq: 25 Sep 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

SU-03-092319

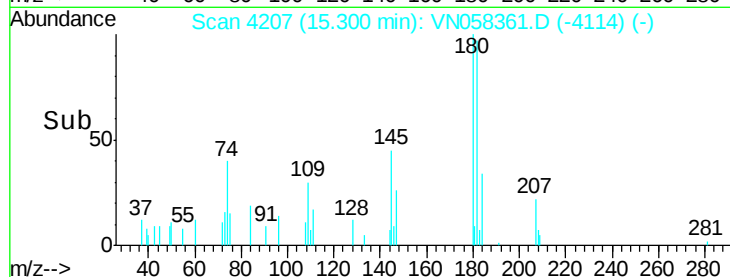
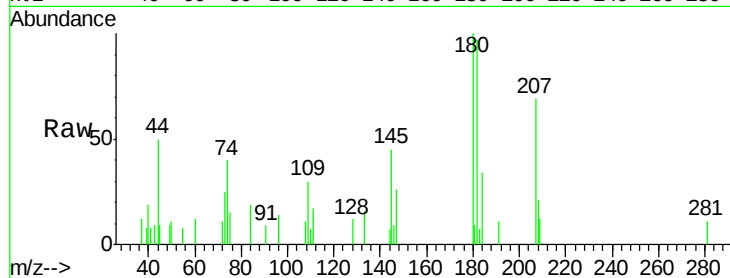
Tot Ion:180 Resp: 3748

Ion Ratio Lower Upper

180 100

182 110.9 47.4 142.2

145 57.3 16.1 48.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

