

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058280.D
 Acq On : 23 Sep 2019 10:44
 Operator : JC/SP
 Sample : K4975-08DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20190918DL

Quant Time: Sep 24 01:29:33 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	485995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	802564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	364725	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.58	113	250410	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.08	98	1007223	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.41	95	311630	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	

Target Compounds

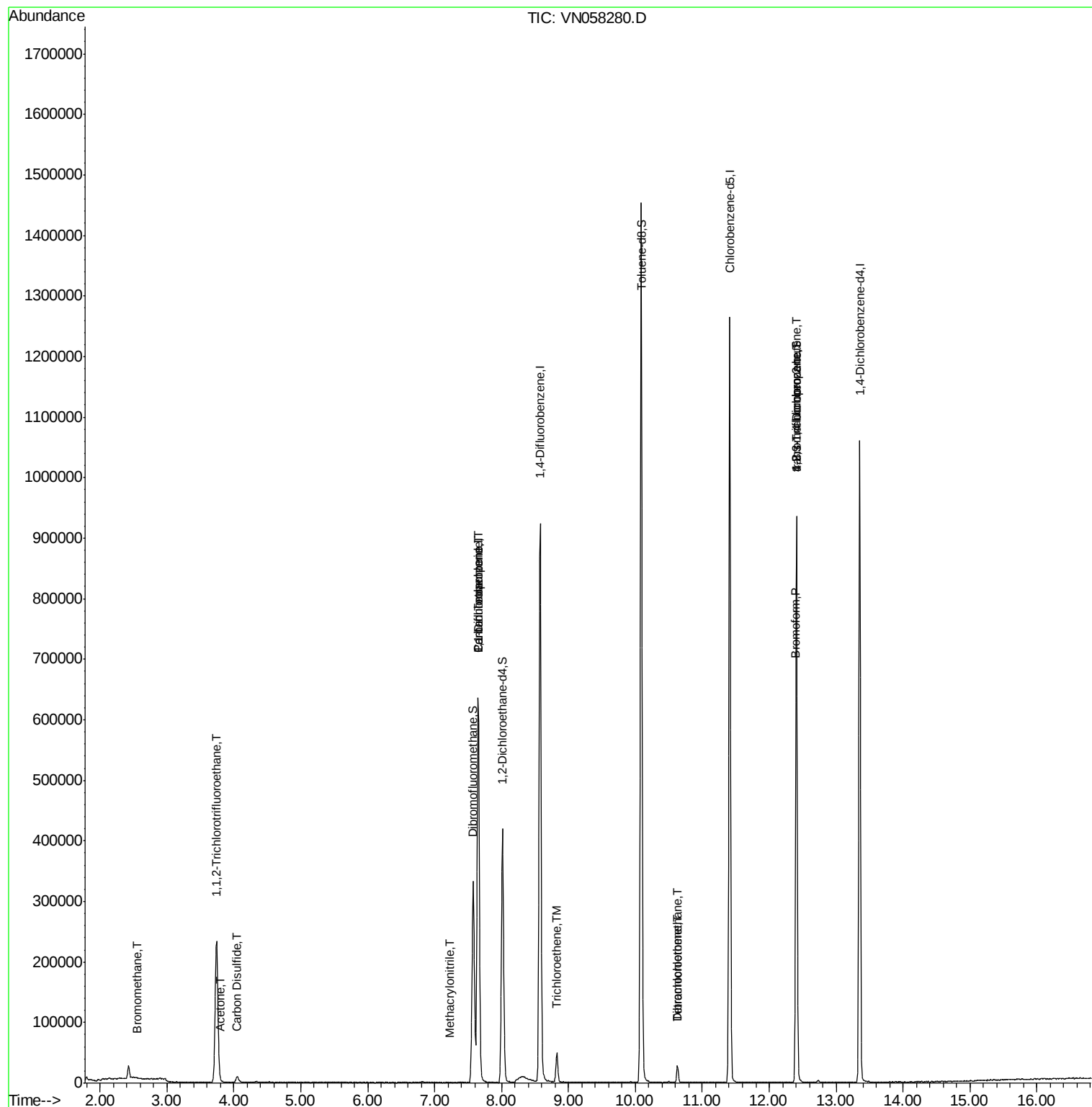
						Qvalue
3) Chloromethane	2.03	50	730	Below Cal	#	77
4) Vinyl Chloride	2.18	62	66	Below Cal	#	43
5) Bromomethane	2.55	94	161	0.812	ug/l	91
6) Chloroethane	2.69	64	160	Below Cal	#	44
9) 1,1,2-Trichlorotrifluoroet	3.74	101	145253	36.970	ug/l	98
12) 1,1-Dichloroethene	3.72	96	853	Below Cal	#	52
16) Acetone	3.80	43	820	0.357	ug/l #	67
17) Carbon Disulfide	4.04	76	62	0.286	ug/l #	74
20) Methylene Chloride	4.54	84	888	Below Cal	#	69
31) Cyclohexane	7.65	56	12579	Below Cal	#	6
36) 1,1-Dichloropropene	7.65	75	42242	7.299	ug/l #	51
38) Carbon Tetrachloride	7.65	117	51732	8.892	ug/l #	14
41) Methacrylonitrile	7.22	41	29	0.920	ug/l #	100
44) Trichloroethene	8.83	130	16903	3.907	ug/l	99
60) Dibromochloromethane	10.63	129	5608	1.186	ug/l #	11
64) Tetrachloroethene	10.63	164	5981	1.811	ug/l	95
71) Bromoform	12.39	173	73	3.616	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	171507	36.078	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	171507	100.746	ug/l #	5

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

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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: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

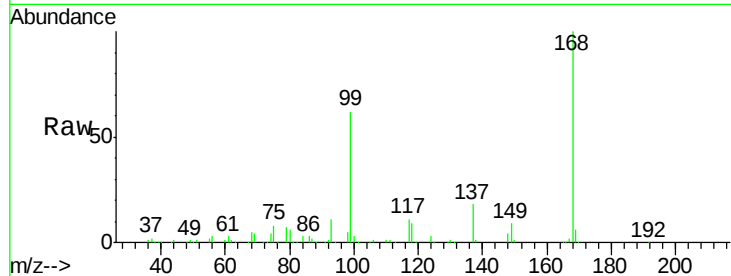
RE134D4-20190918DL

Tot Ion:168 Resp: 485995

Ion Ratio Lower Upper

168 100

99 62.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

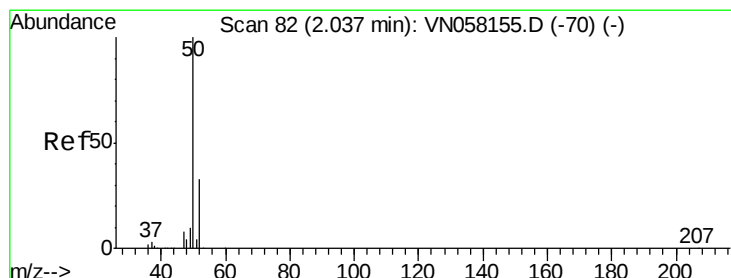
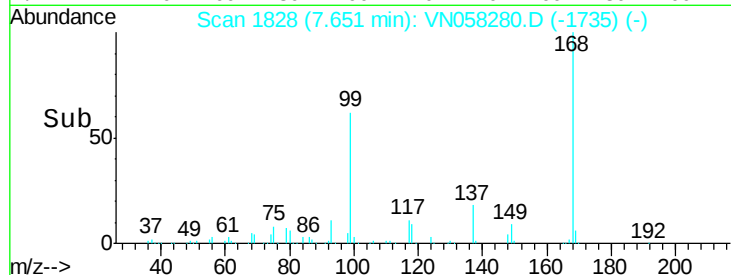
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058280.D

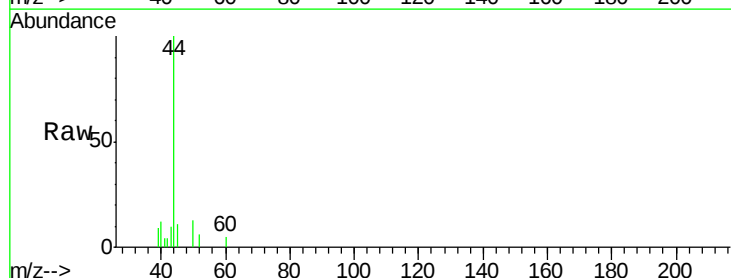
Acq: 23 Sep 2019 10:44

Tgt Ion: 50 Resp: 730

Ion Ratio Lower Upper

50 100

52 46.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

600

500

400

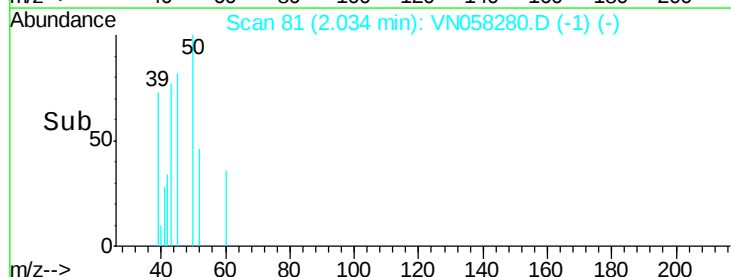
300

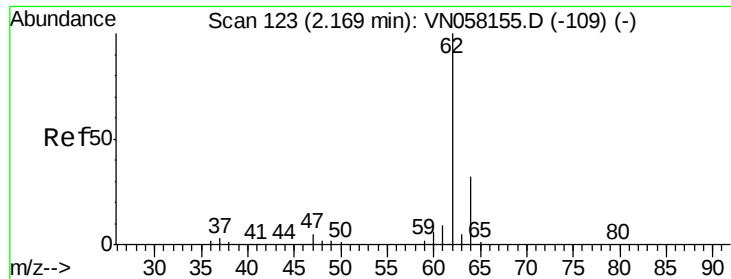
200

100

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 125

Delta R.T. 0.01 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

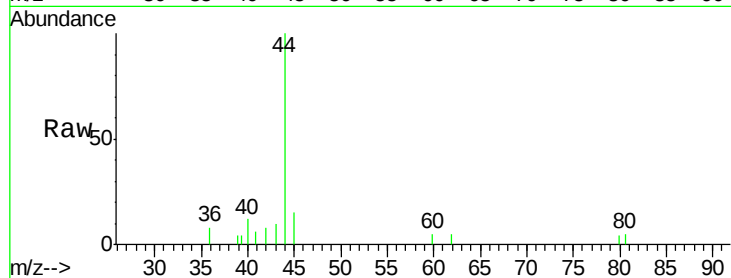
RE134D4-20190918DL

Tot Ion: 62 Resp: 66

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

200

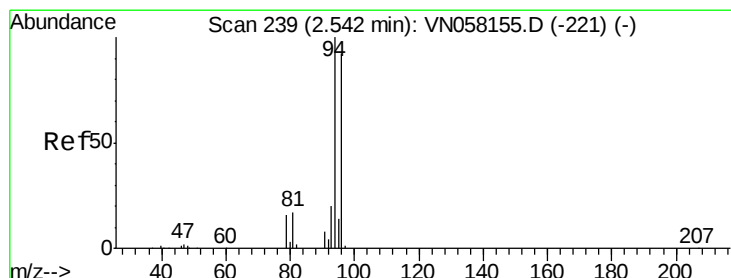
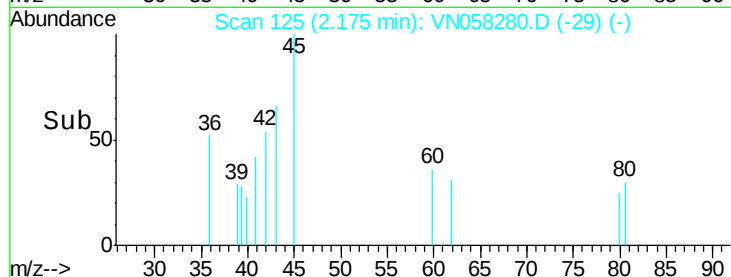
150

100

50

0

Time--> 2.16 2.17 2.18



#5

Bromomethane

Concen: 0.812 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058280.D

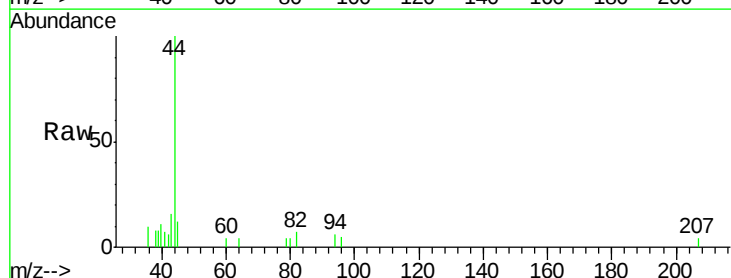
Acq: 23 Sep 2019 10:44

Tgt Ion: 94 Resp: 161

Ion Ratio Lower Upper

94 100

96 83.5 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.55

250

200

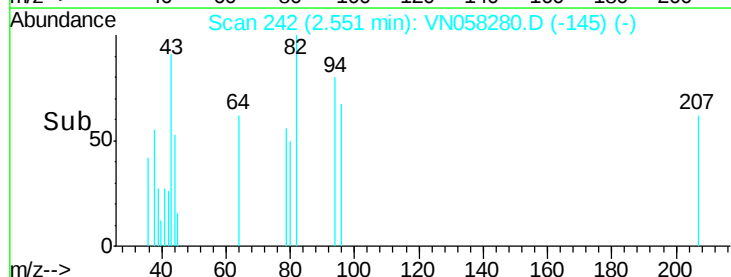
150

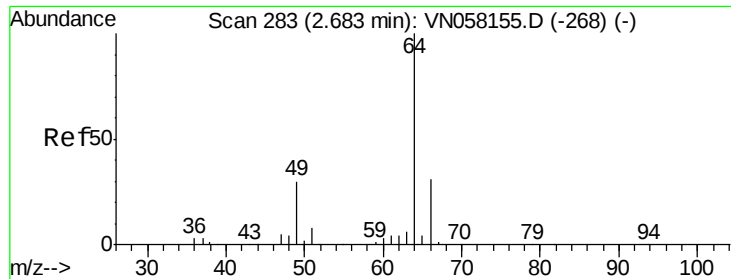
100

50

0

Time--> 2.54 2.55 2.56 2.57





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

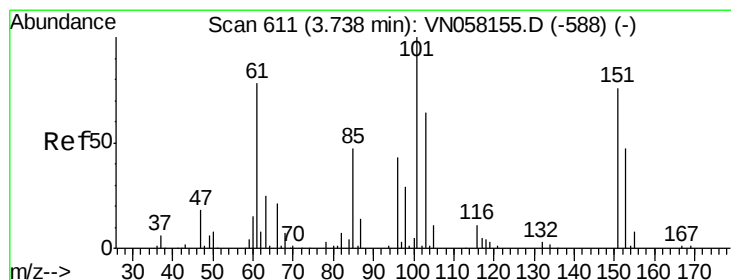
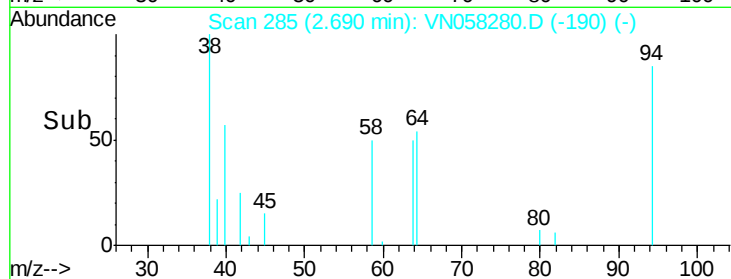
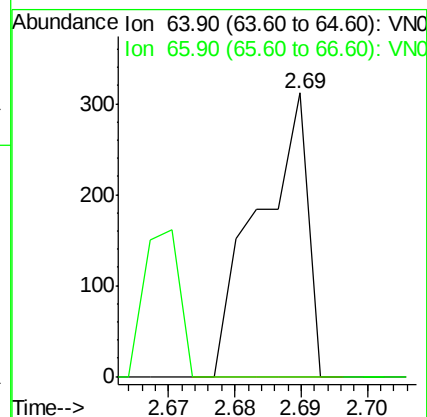
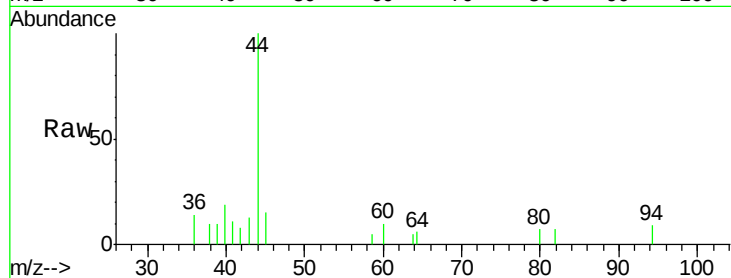
RE134D4-20190918DL

Tot Ion: 64 Resp: 160

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.970 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

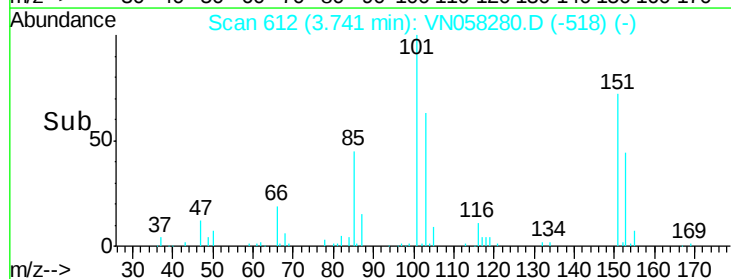
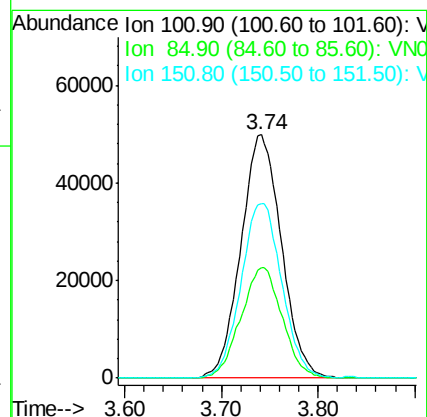
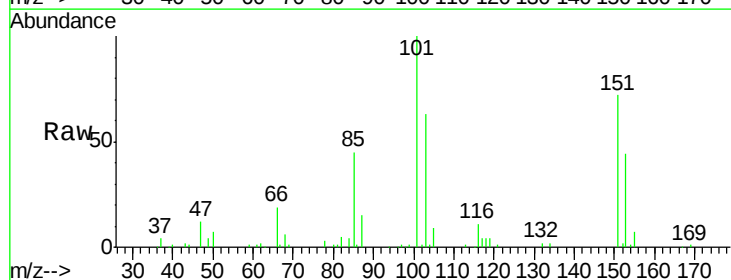
Tgt Ion:101 Resp: 145253

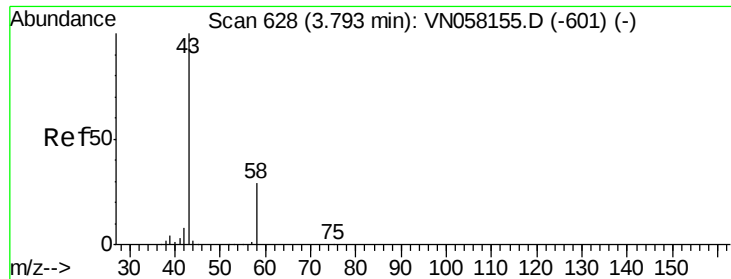
Ion Ratio Lower Upper

101 100

85 46.2 37.3 55.9

151 72.4 59.6 89.4





#16

Acetone

Concen: 0.357 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

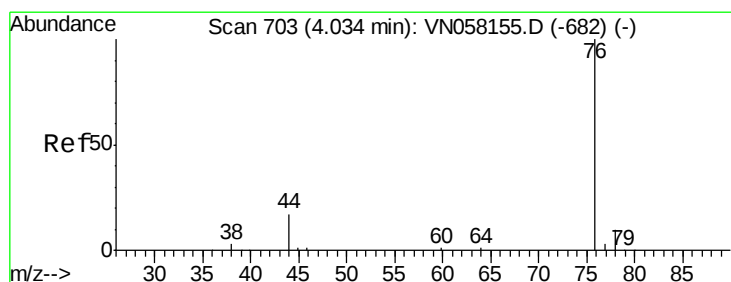
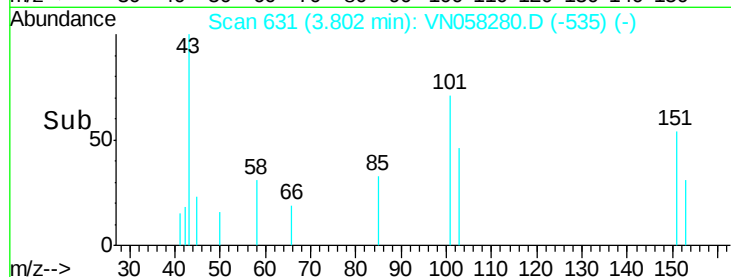
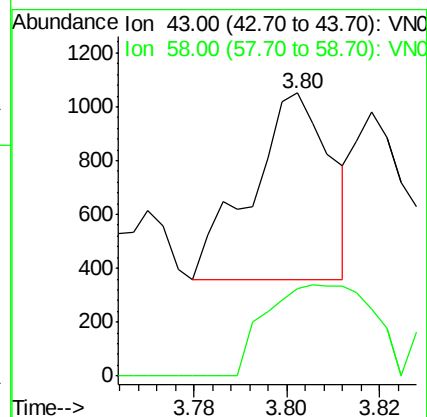
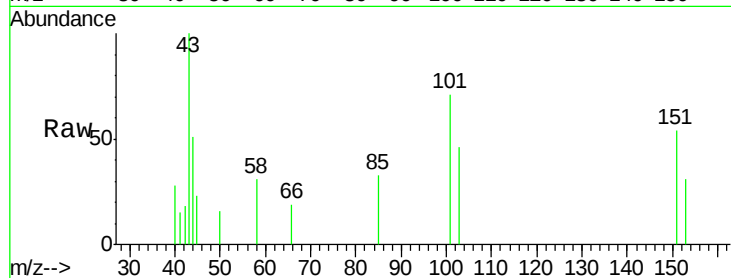
RE134D4-20190918DL

Tot Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

58 47.3 23.4 35.2#



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058280.D

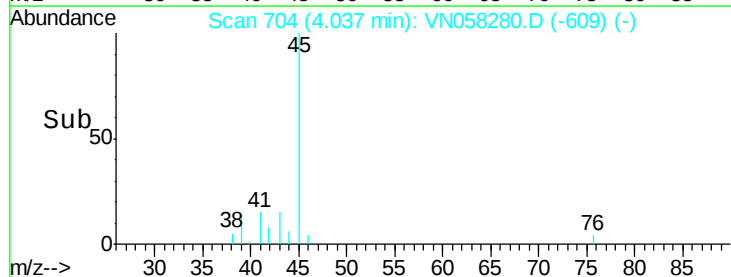
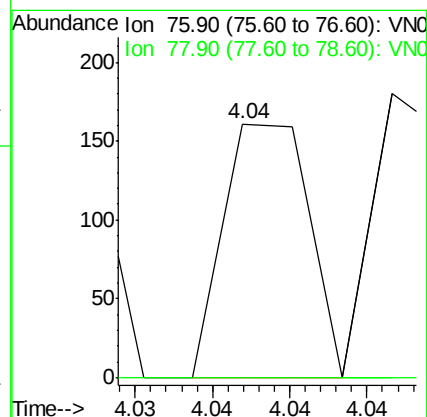
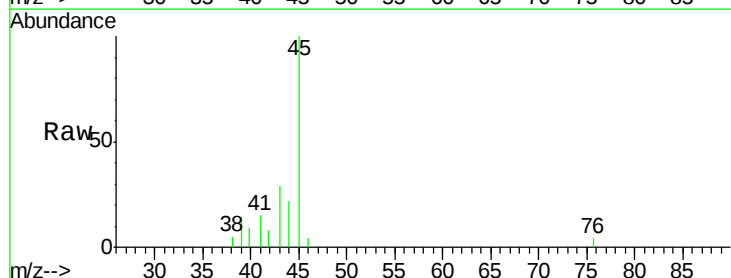
Acq: 23 Sep 2019 10:44

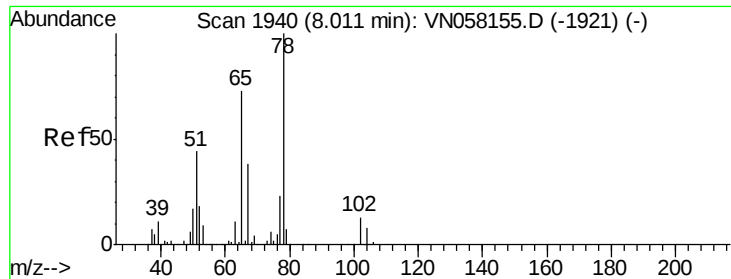
Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

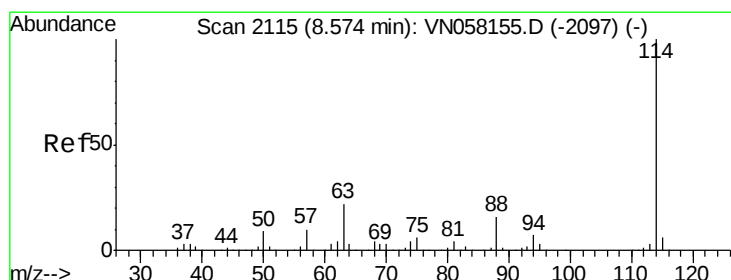
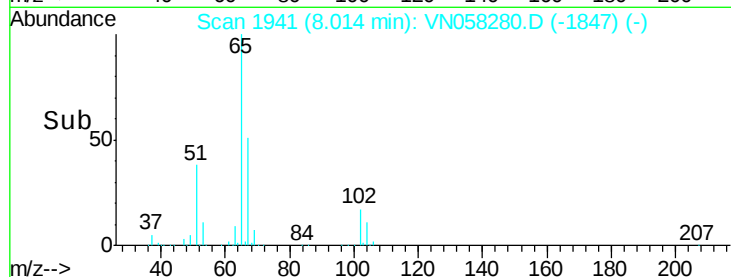
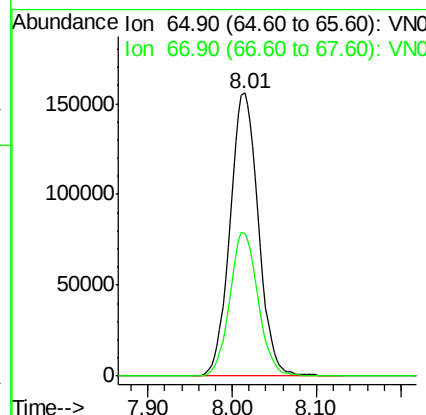
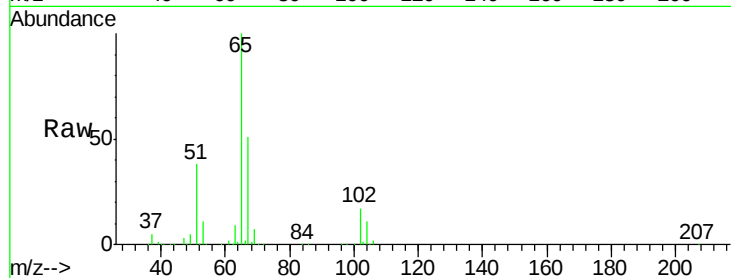




#33
 1,2-Dichloroethane-d4
 Concen: 53.882 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

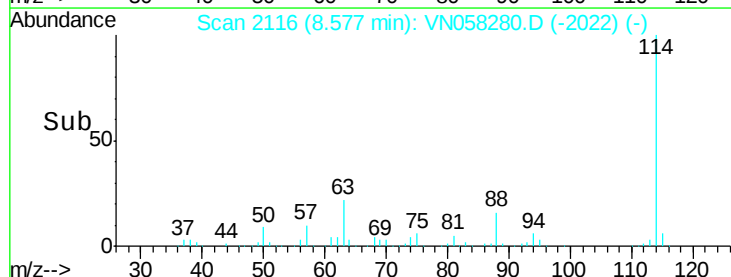
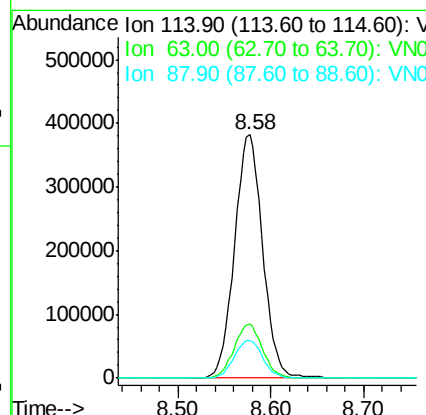
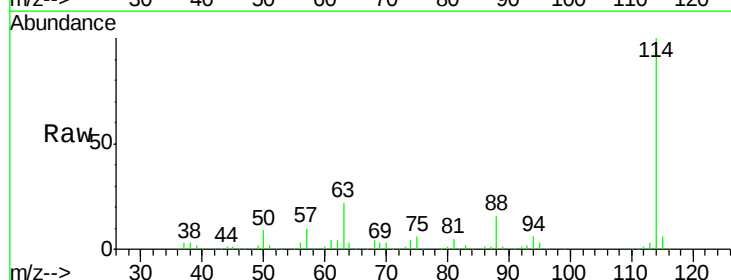
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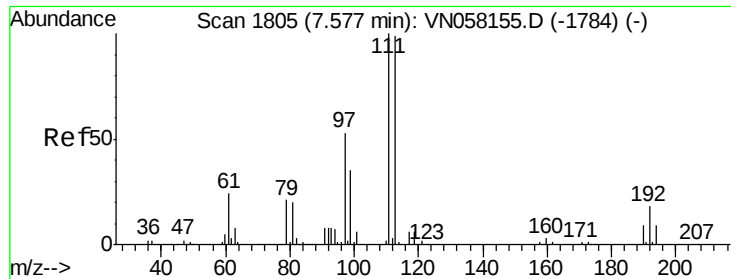
Tot Ion: 65 Resp: 364725
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

Tgt Ion: 114 Resp: 802564
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 15.6 0.0 31.6

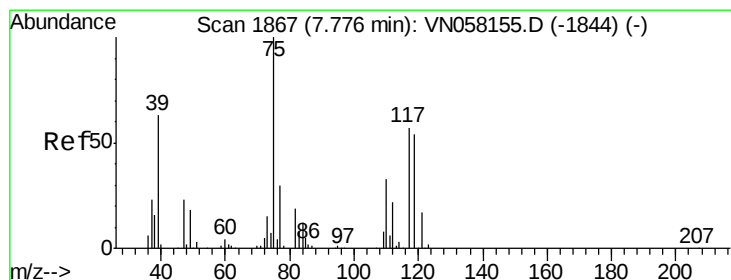
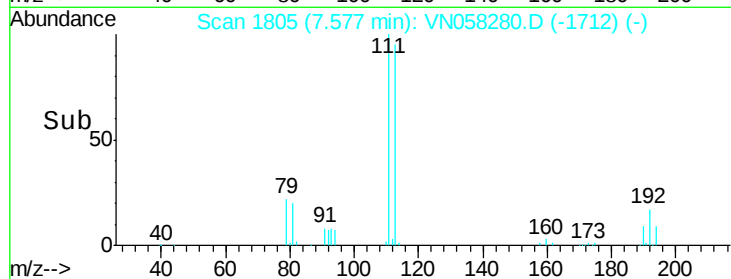
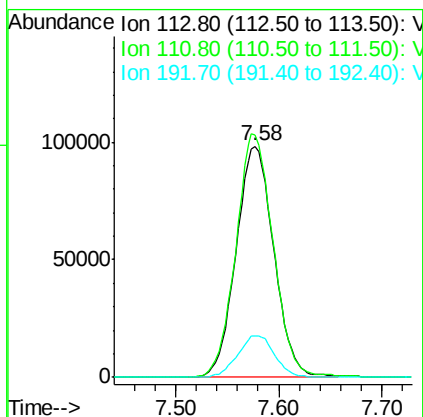
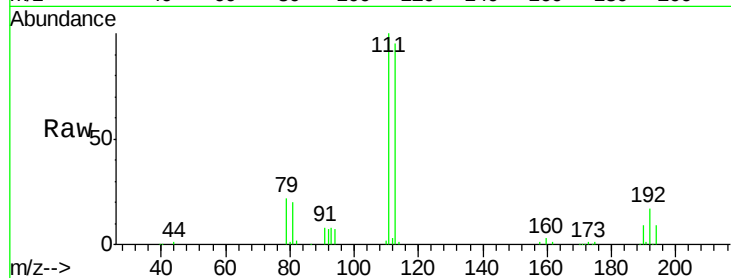




#35
 Dibromofluoromethane
 Concen: 51.325 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

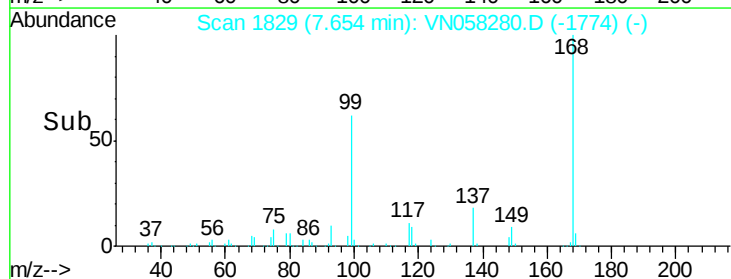
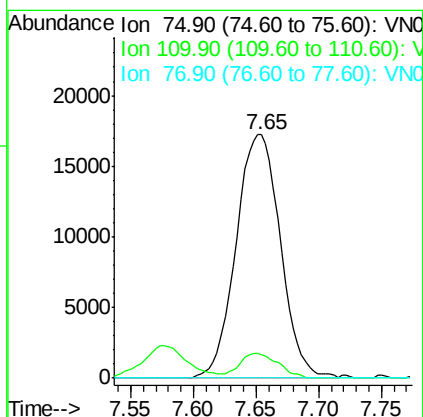
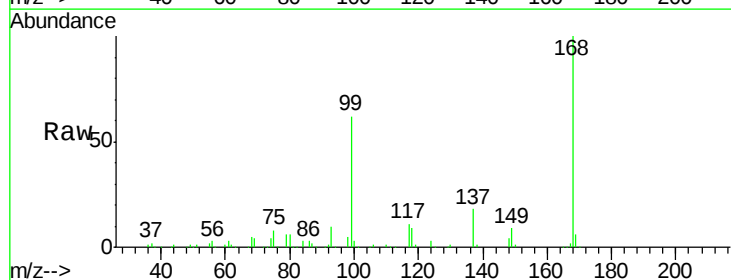
Instrument :
 MSVOA_N
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 RE134D4-20190918DL

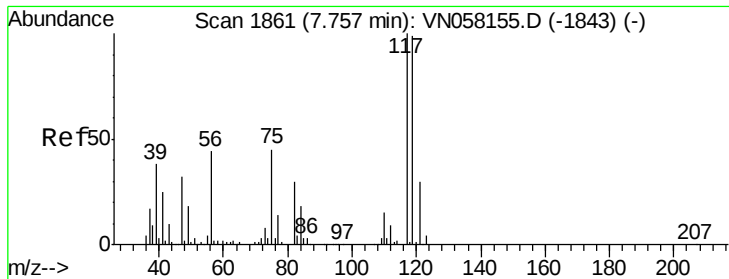
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.6
192	17.7	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.299 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.6	49.7#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 8.892 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20190918DL

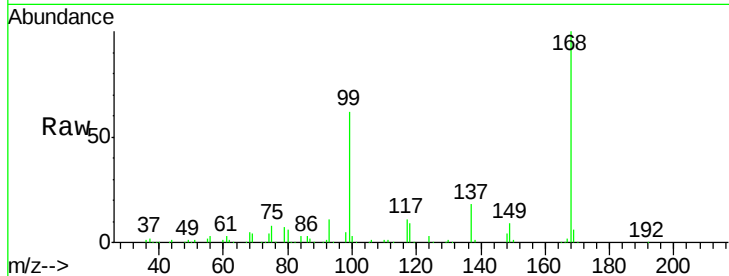
Tot Ion:117 Resp: 51732

Ion Ratio Lower Upper

117 100

119 4.0 78.6 117.8#

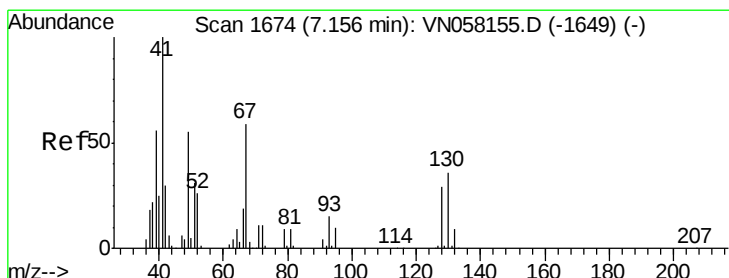
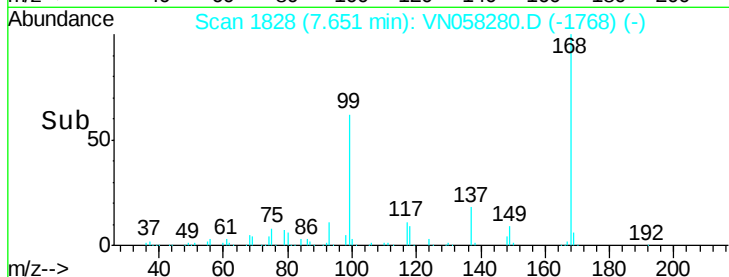
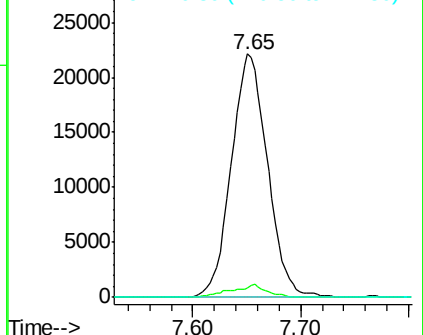
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.920 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.07 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Tgt Ion: 41 Resp: 29

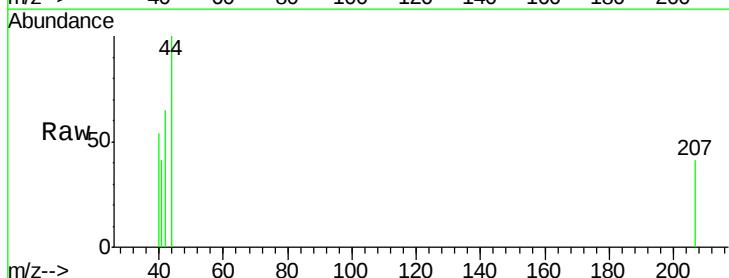
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

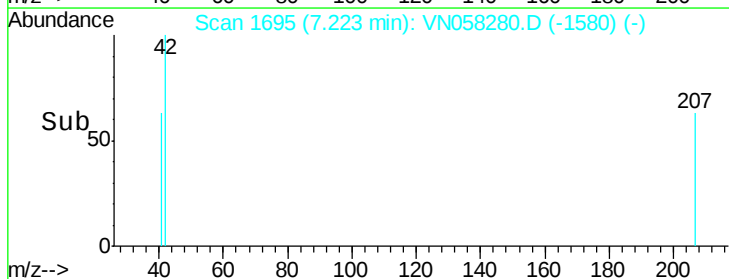
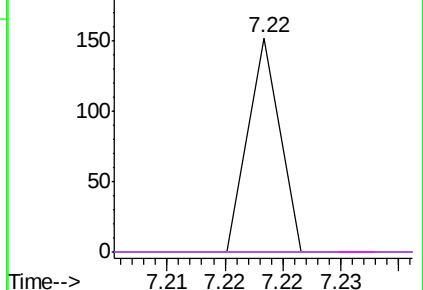


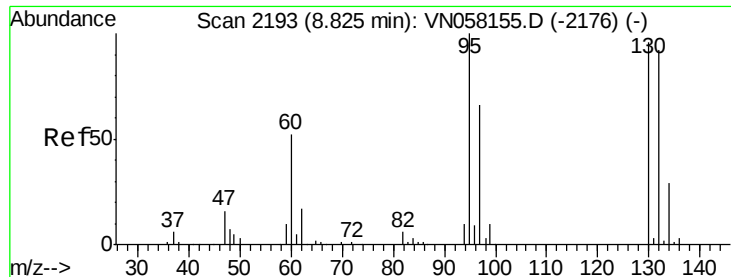
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#44

Trichloroethene

Concen: 3.907 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

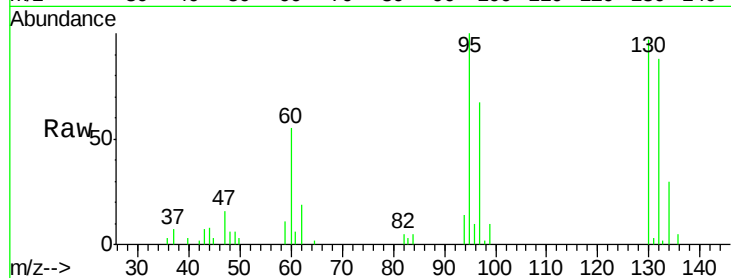
RE134D4-20190918DL

Tot Ion:130 Resp: 16903

Ion Ratio Lower Upper

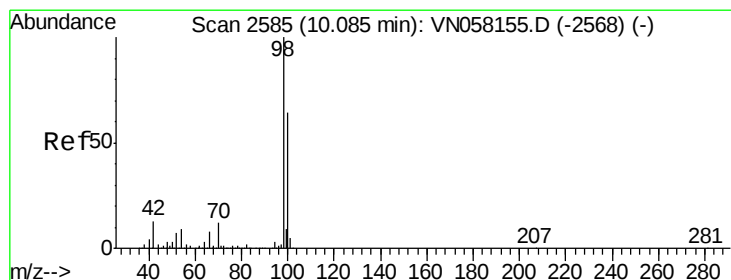
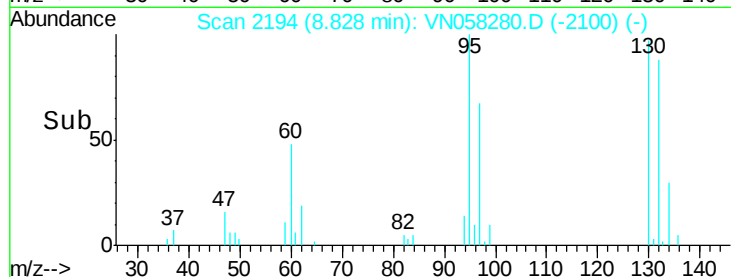
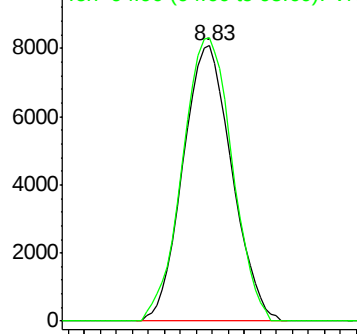
130 100

95 102.8 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 52.986 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058280.D

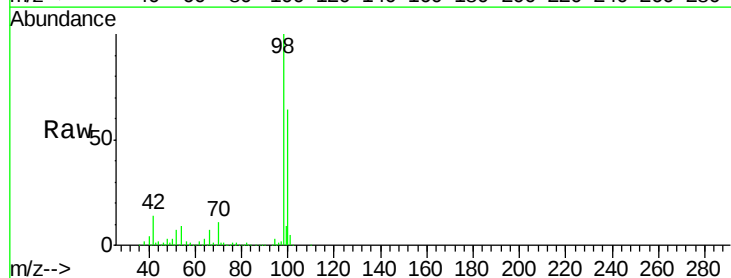
Acq: 23 Sep 2019 10:44

Tgt Ion: 98 Resp: 1007223

Ion Ratio Lower Upper

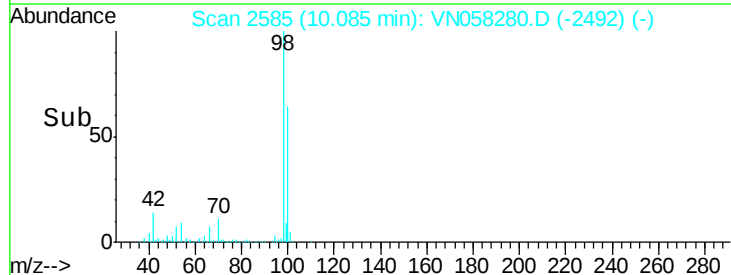
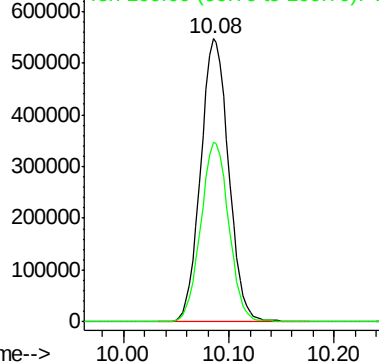
98 100

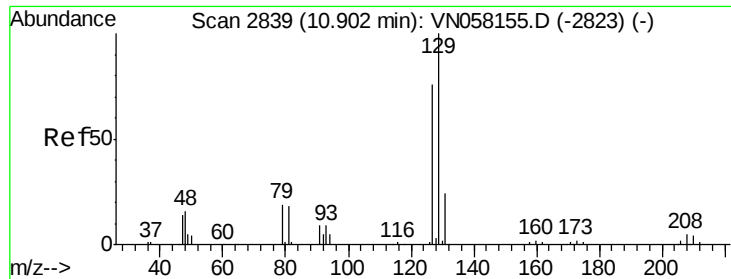
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

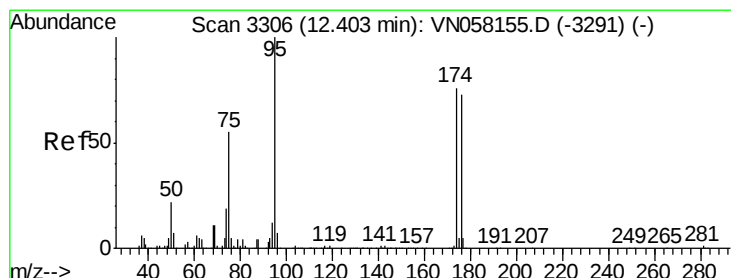
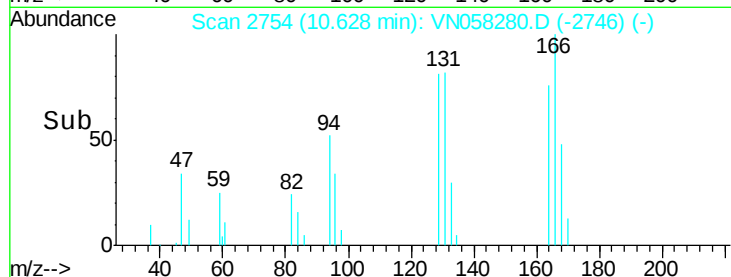
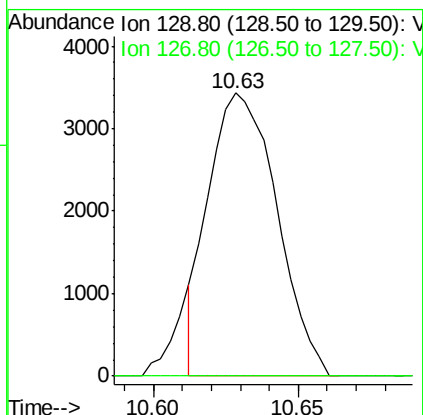
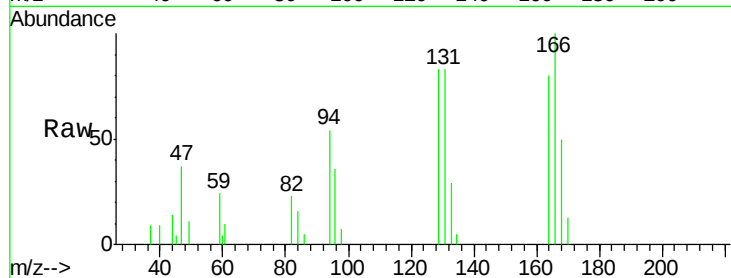




#60
 Dibromochloromethane
 Concen: 1.186 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

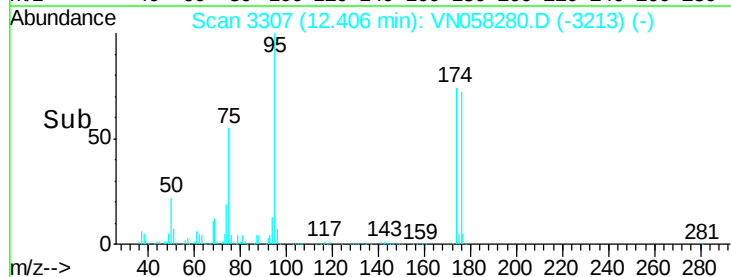
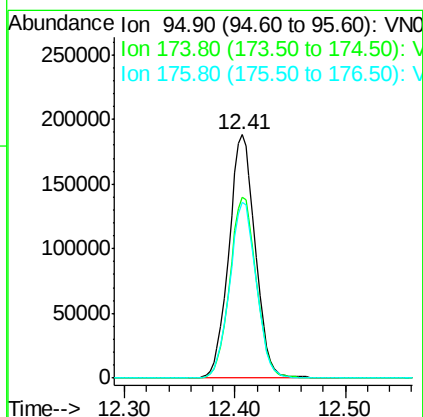
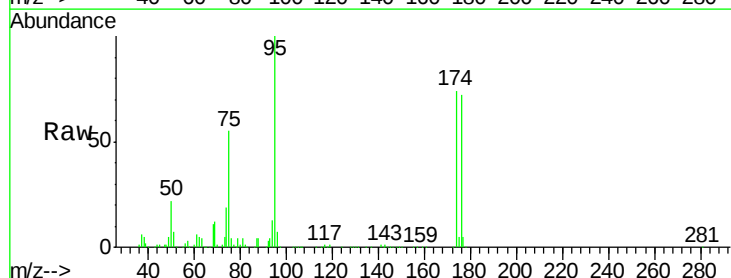
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20190918DL

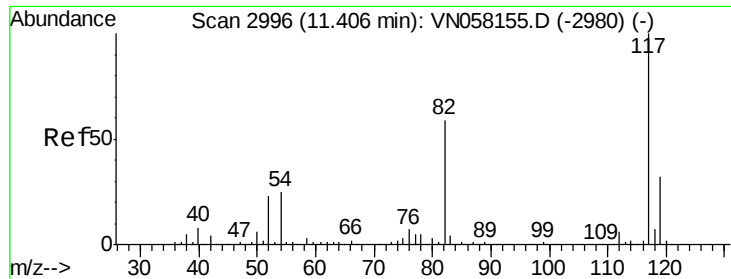
Tot Ion:129 Resp: 5608
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#



#62
 4-Bromofluorobenzene
 Concen: 44.133 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058280.D
 Acq: 23 Sep 2019 10:44

Tgt Ion: 95 Resp: 311630
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 152.2
 176 72.9 0.0 148.0

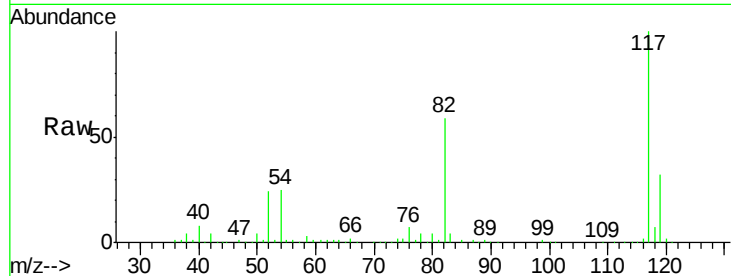




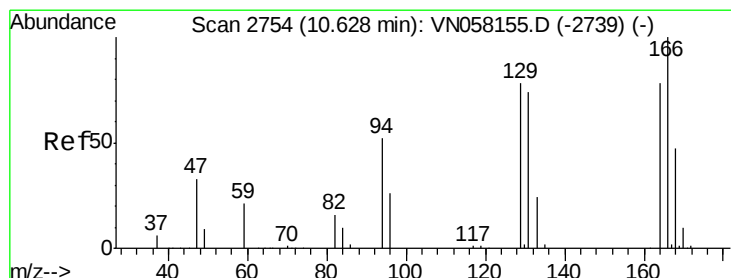
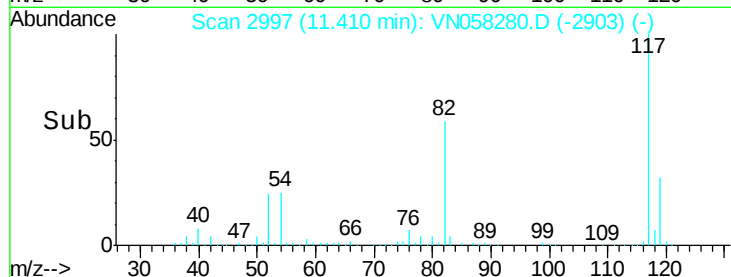
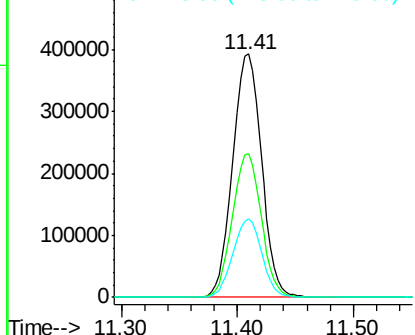
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058280.D
Acq: 23 Sep 2019 10:44

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20190918DL

Tot Ion:117 Resp: 677386
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 32.2 25.3 37.9



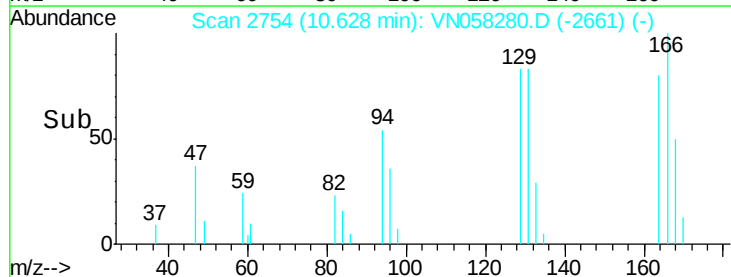
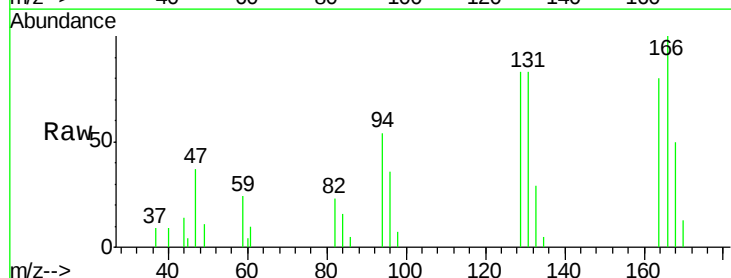
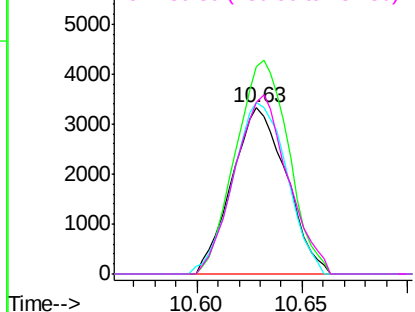
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

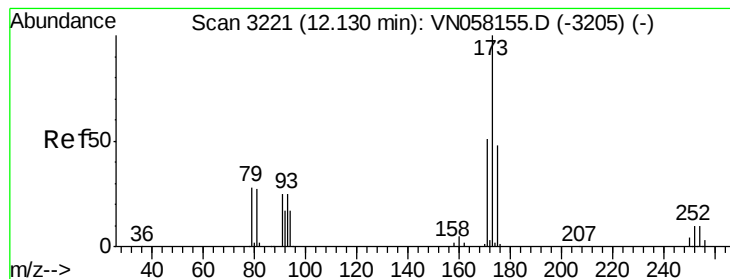


#64
Tetrachloroethene
Concen: 1.811 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058280.D
Acq: 23 Sep 2019 10:44

Tgt Ion:164 Resp: 5981
Ion Ratio Lower Upper
164 100
166 125.1 102.2 153.4
129 103.4 79.6 119.4
131 103.6 76.0 114.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 3.616 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20190918DL

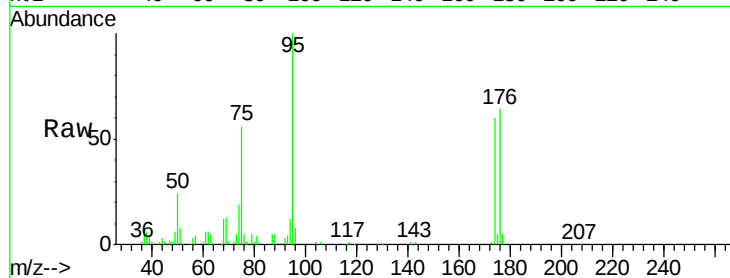
Tot Ion:173 Resp: 73

Ion Ratio Lower Upper

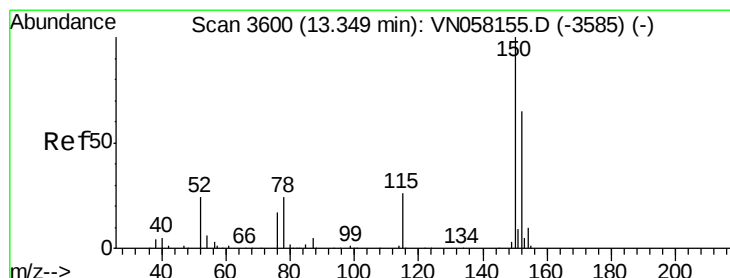
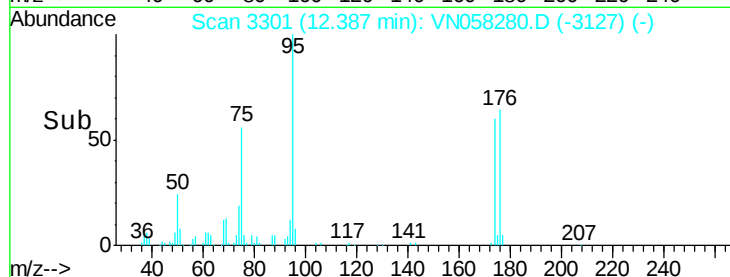
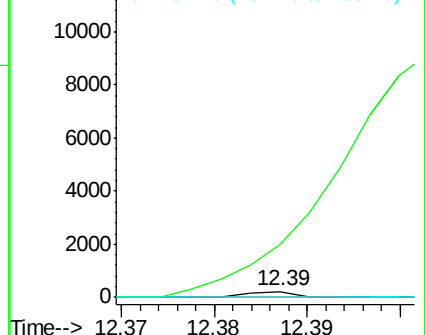
173 100

175 19026.0 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: VN058280.D

Acq: 23 Sep 2019 10:44

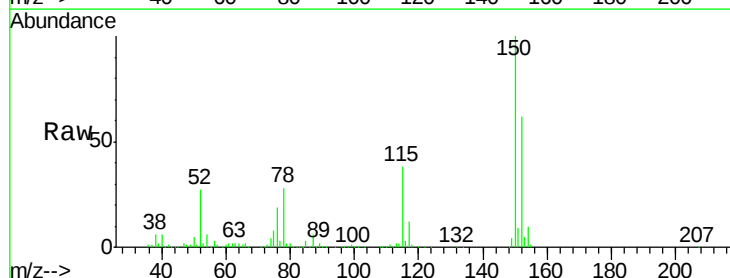
Tgt Ion:152 Resp: 265619

Ion Ratio Lower Upper

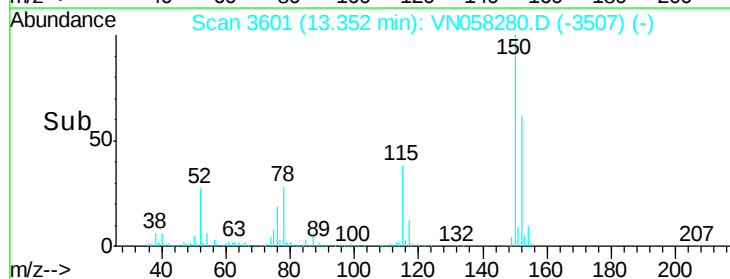
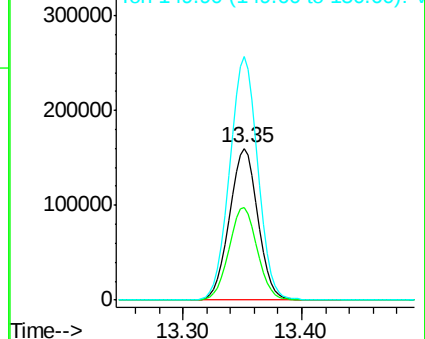
152 100

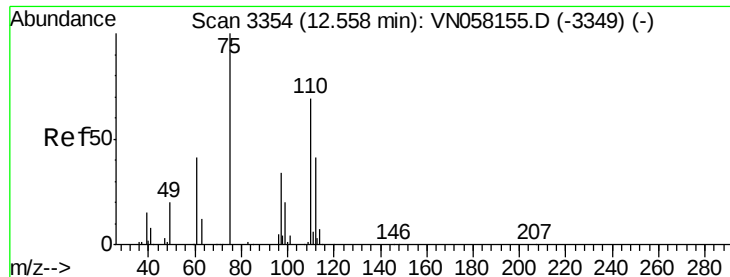
115 60.6 30.1 90.3

150 157.9 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





#76

1,2,3-Trichloropropane

Concen: 36.078 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

Instrument :

MSVOA_N

ClientSampleId :

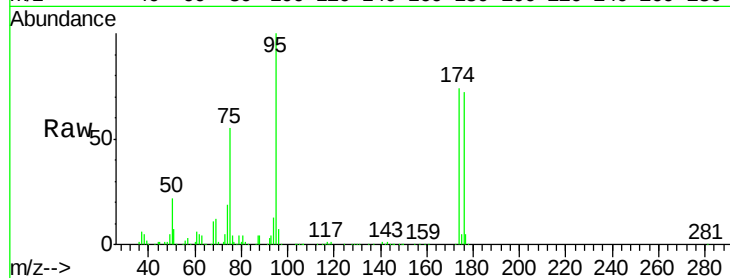
RE134D4-20190918DL

Tot Ion: 75 Resp: 171507

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

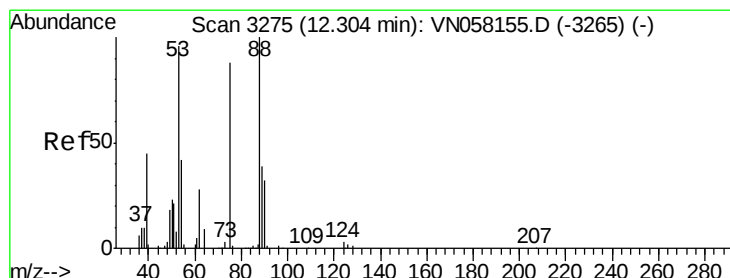
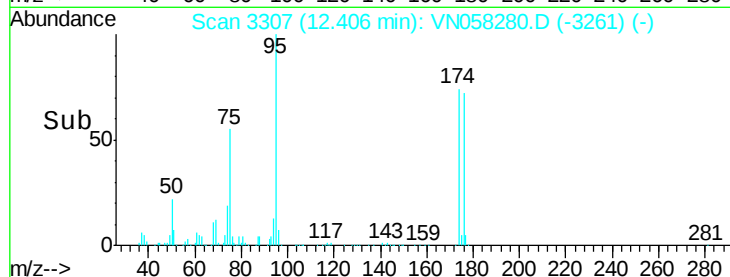
40000

20000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 100.746 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058280.D

Acq: 23 Sep 2019 10:44

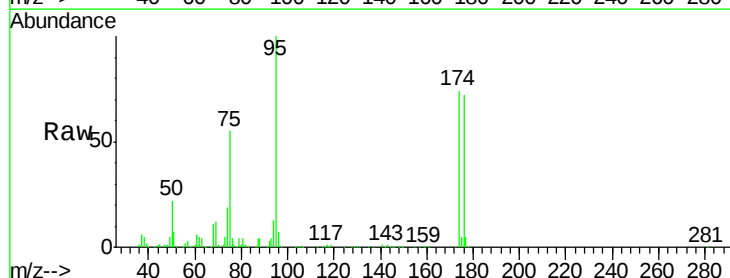
Tgt Ion: 75 Resp: 171507

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

50000

0

12.35 12.40 12.45 12.50

Time-->

