

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058314.D
 Acq On : 24 Sep 2019 00:01
 Operator : JC/SP
 Sample : K5002-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0516

Quant Time: Sep 24 01:39:48 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	462607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	647251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267310	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	351805	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	7.58	113	238466	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	10.08	98	966985	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.41	95	307128	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

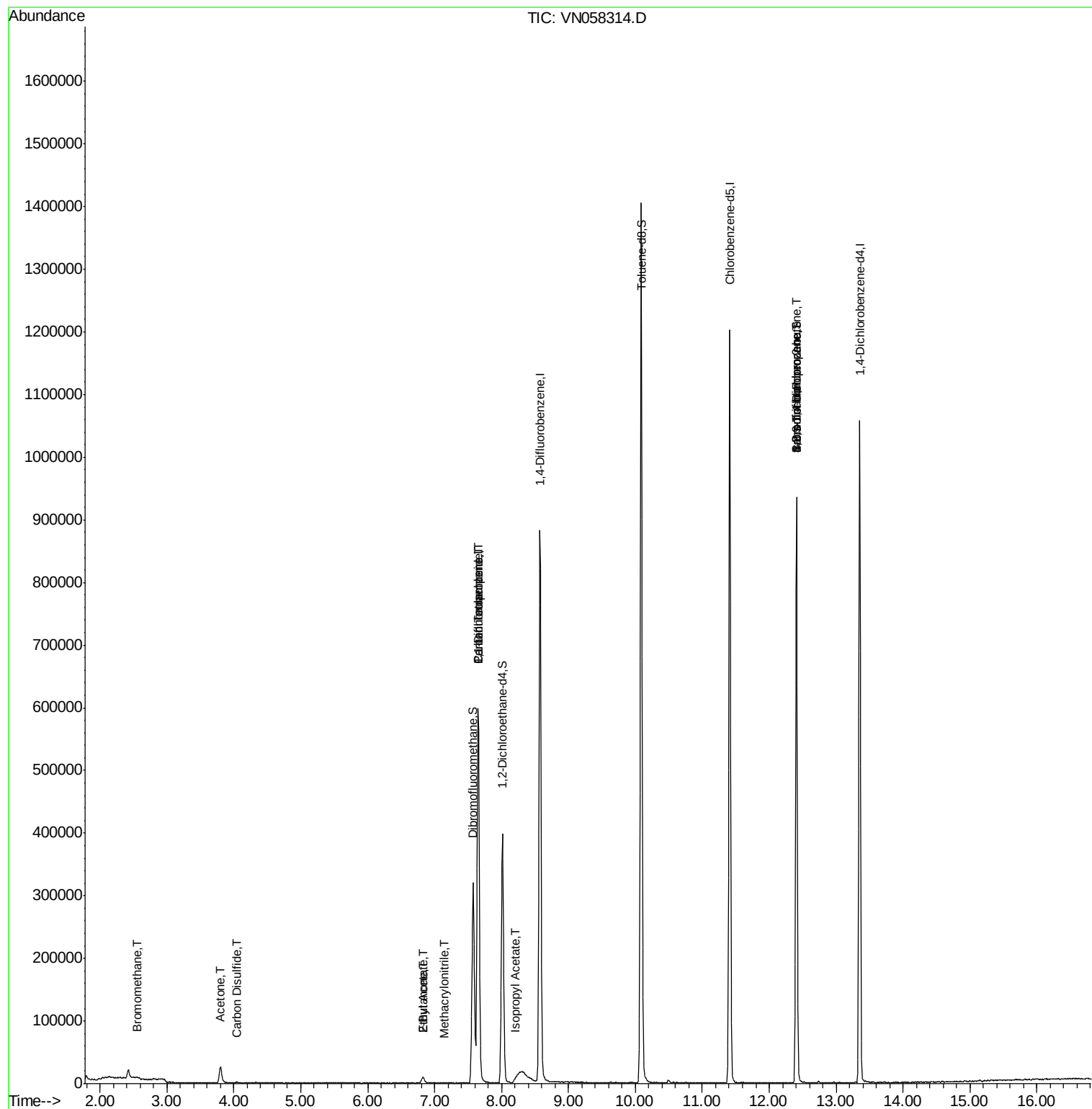
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	394	Below Cal	#	42
5) Bromomethane	2.55	94	718	1.140	ug/l #	72
6) Chloroethane	2.68	64	94	Below Cal	#	44
16) Acetone	3.80	43	45459	20.785	ug/l	99
17) Carbon Disulfide	4.04	76	924	0.501	ug/l #	74
20) Methylene Chloride	4.54	84	30	Below Cal	#	65
25) 2-Butanone	6.83	43	14707	4.936	ug/l	99
31) Cyclohexane	7.65	56	11018	Below Cal	#	14
36) 1,1-Dichloropropene	7.65	75	41730	7.712	ug/l #	50
37) Ethyl Acetate	6.83	43	14707	2.619	ug/l #	71
38) Carbon Tetrachloride	7.65	117	47206	8.679	ug/l #	15
41) Methacrylonitrile	7.15	41	35	0.923	ug/l #	100
43) Isopropyl Acetate	8.20	43	5372	0.512	ug/l #	57
71) Bromoform	12.41	173	2364	4.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	168814	35.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	168814	98.663	ug/l #	5

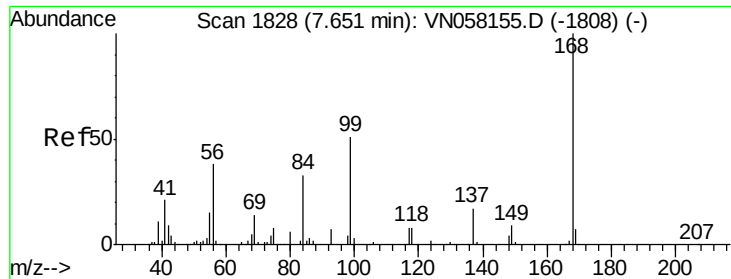
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

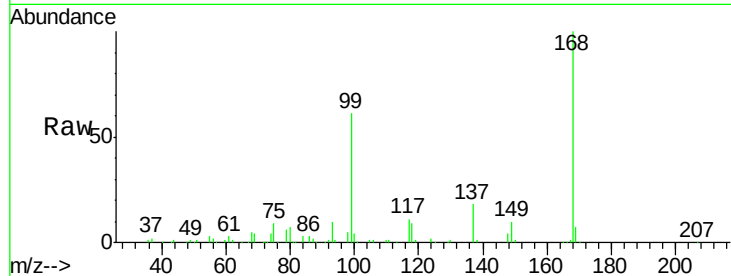
S49-0516

Tot Ion:168 Resp: 462607

Ion Ratio Lower Upper

168 100

99 61.0 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

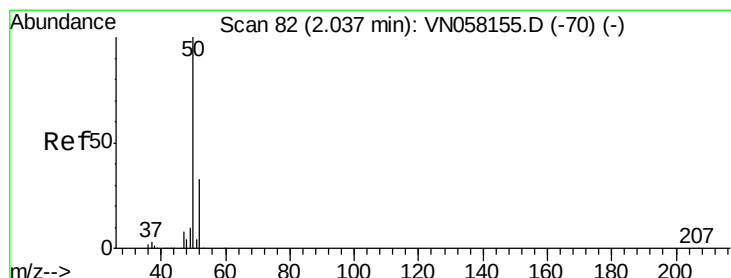
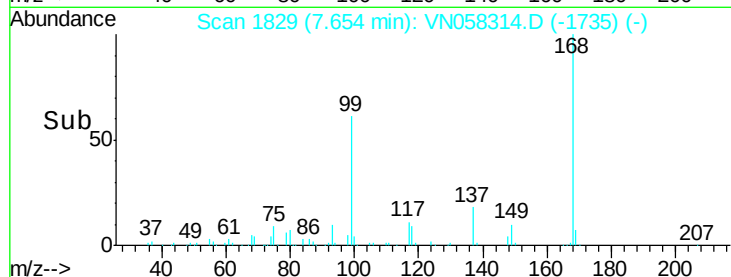
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058314.D

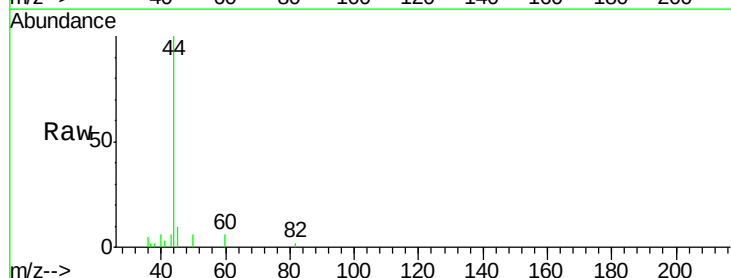
Acq: 24 Sep 2019 00:01

Tgt Ion: 50 Resp: 394

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

400

300

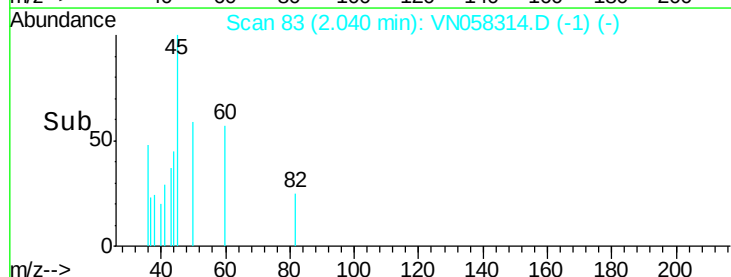
200

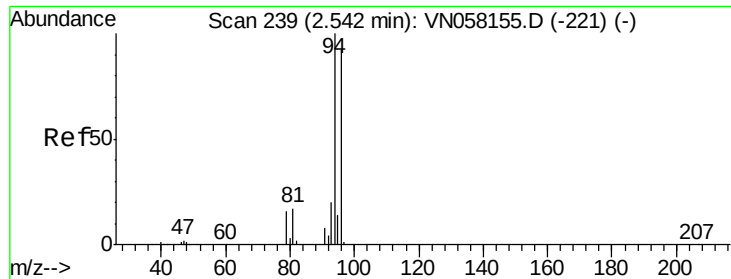
100

0

2.02 2.04 2.06

Time-->





#5

Bromomethane

Concen: 1.140 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampled :

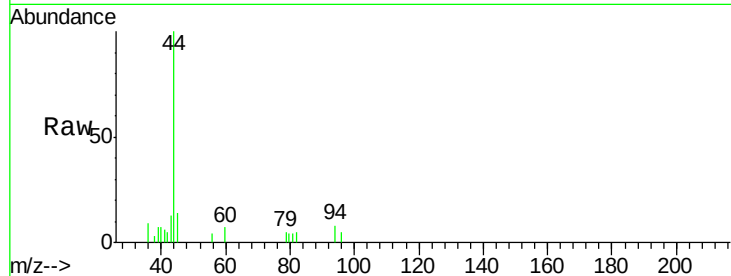
S49-0516

Tot Ion: 94 Resp: 718

Ion Ratio Lower Upper

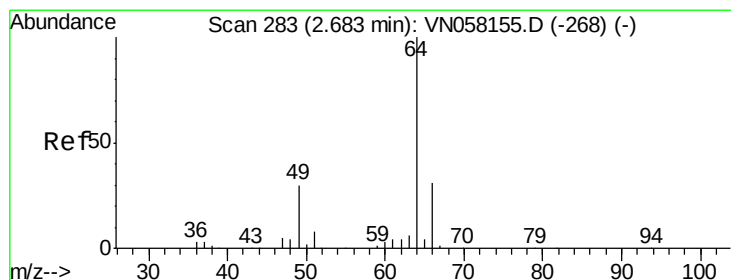
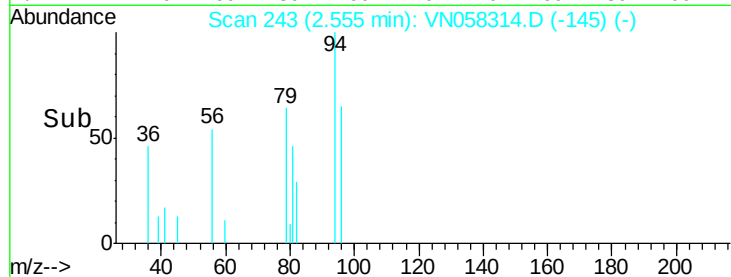
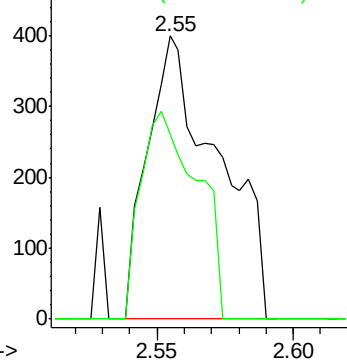
94 100

96 65.4 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058314.D

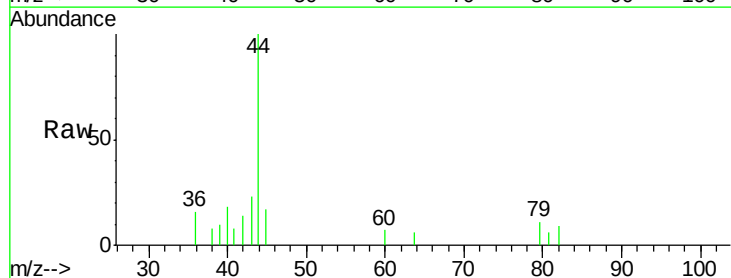
Acq: 24 Sep 2019 00:01

Tgt Ion: 64 Resp: 94

Ion Ratio Lower Upper

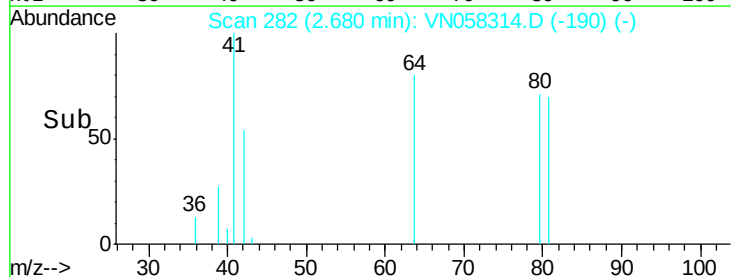
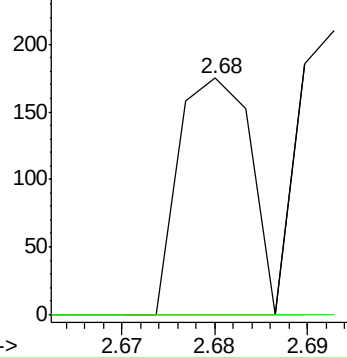
64 100

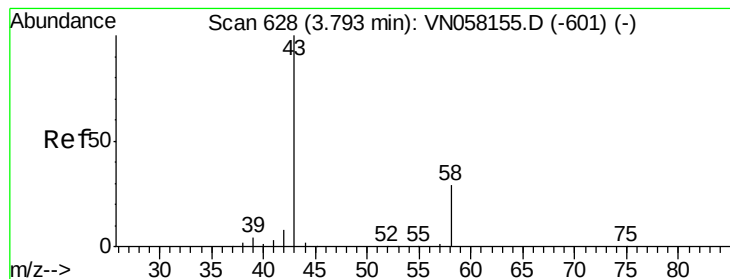
66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#16

Acetone

Concen: 20.785 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

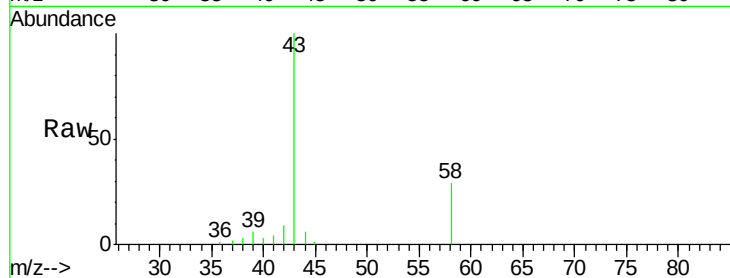
S49-0516

Tot Ion: 43 Resp: 45459

Ion Ratio Lower Upper

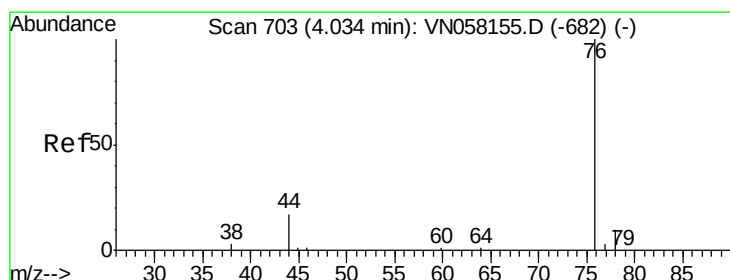
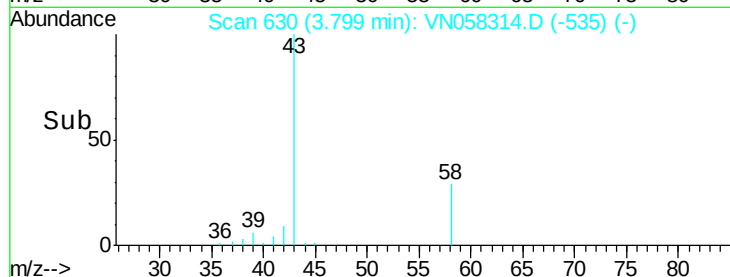
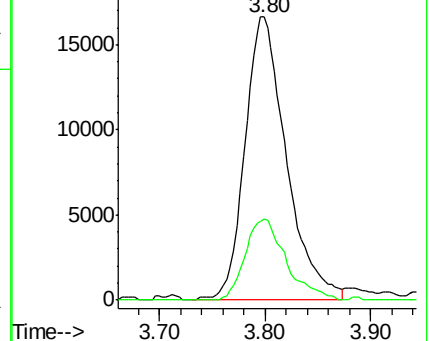
43 100

58 28.8 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: 0.501 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058314.D

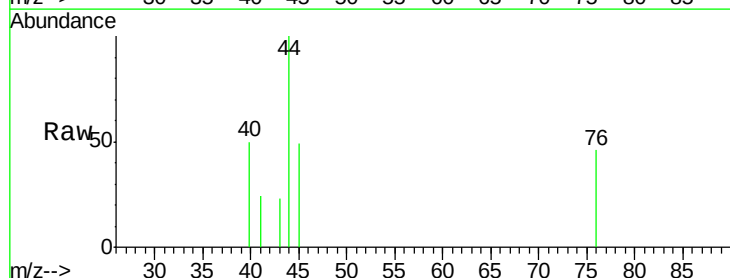
Acq: 24 Sep 2019 00:01

Tgt Ion: 76 Resp: 924

Ion Ratio Lower Upper

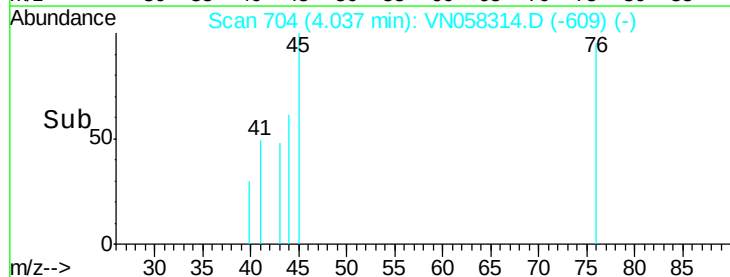
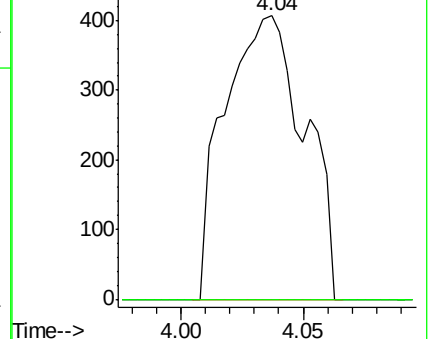
76 100

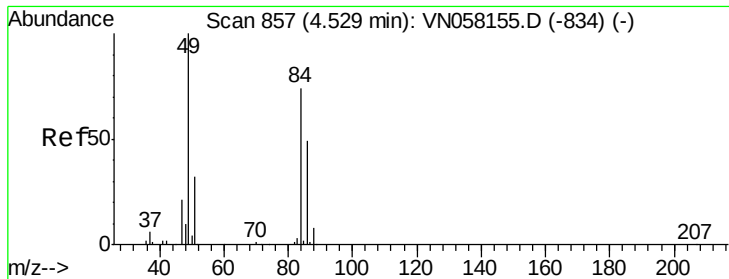
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

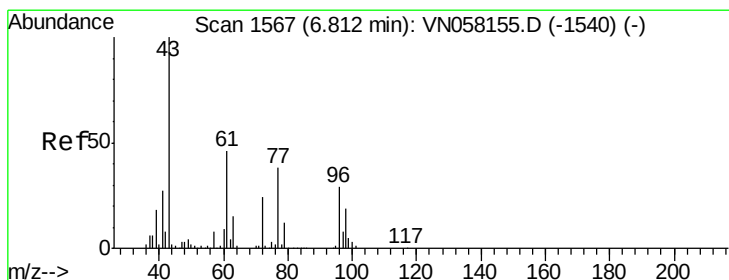
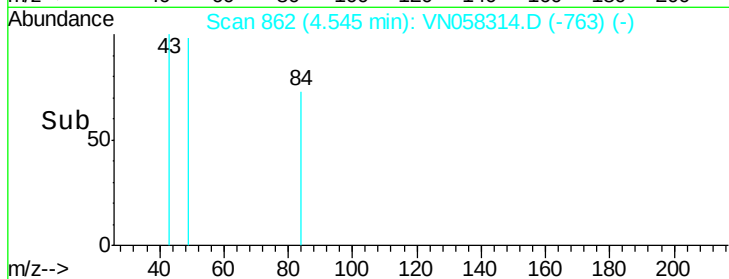
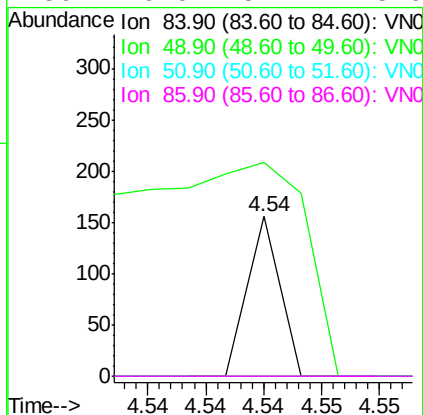
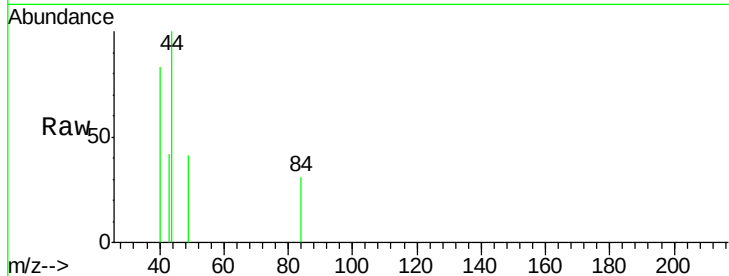




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 862
Delta R.T. 0.02 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

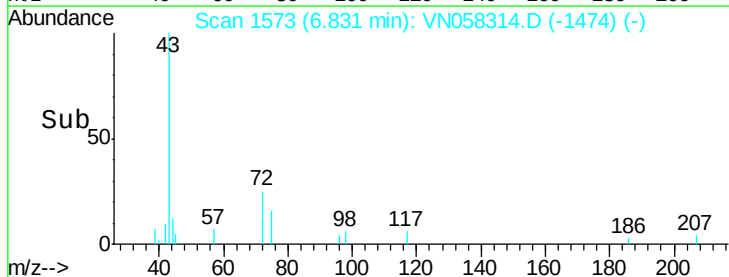
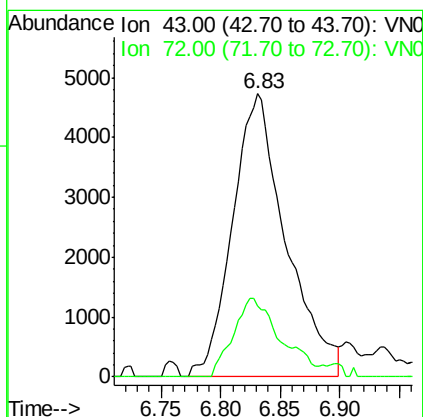
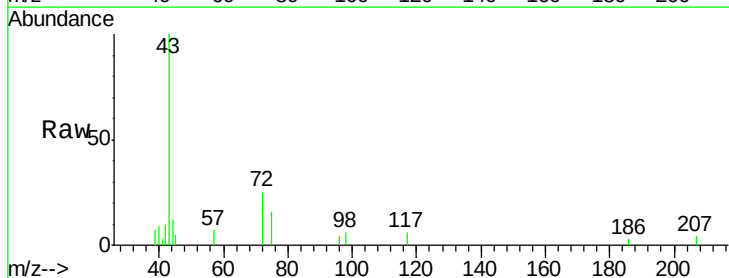
Instrument :
MSVOA_N
ClientSampled :
S49-0516

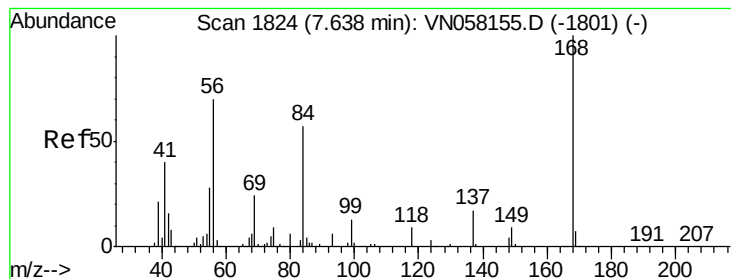
Tot Ion: 84 Resp: 30
Ion Ratio Lower Upper
84 100
49 133.3 107.5 161.3
51 0.0 33.9 50.9#
86 0.0 52.4 78.6#



#25
2-Butanone
Concen: 4.936 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Tgt Ion: 43 Resp: 14707
Ion Ratio Lower Upper
43 100
72 24.9 19.5 29.3





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampled :

S49-0516

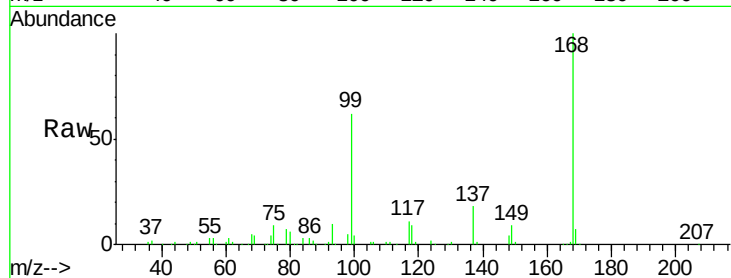
Tot Ion: 56 Resp: 11018

Ion Ratio Lower Upper

56 100

69 153.2 27.3 40.9#

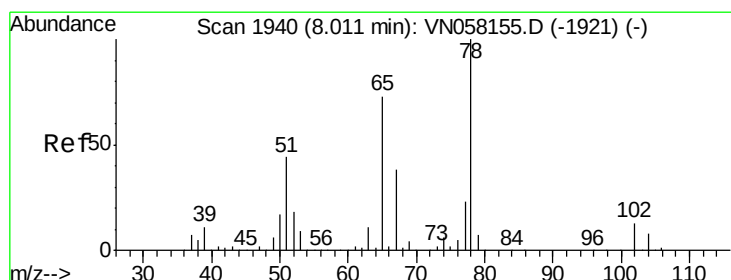
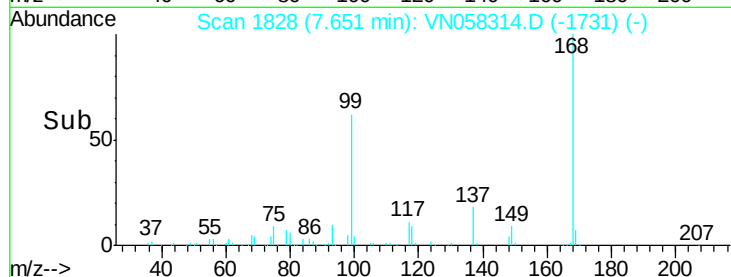
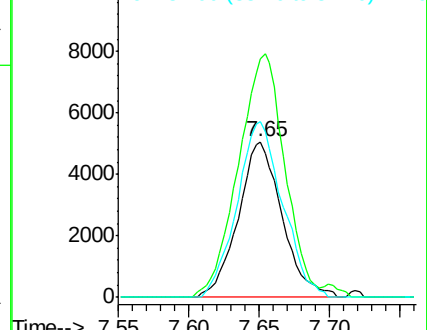
84 112.6 65.0 97.4#



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: 54.601 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058314.D

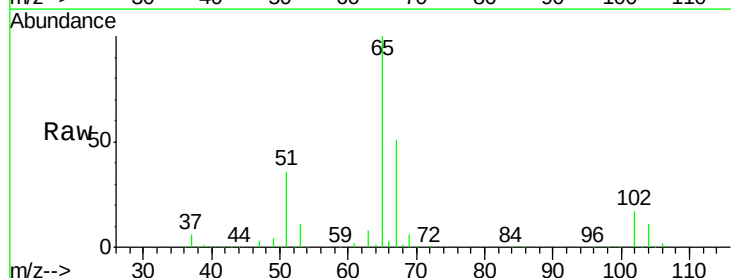
Acq: 24 Sep 2019 00:01

Tgt Ion: 65 Resp: 351805

Ion Ratio Lower Upper

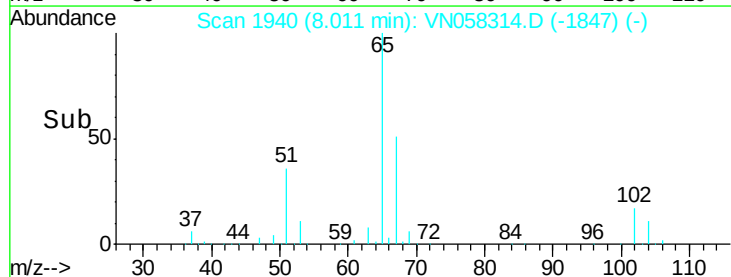
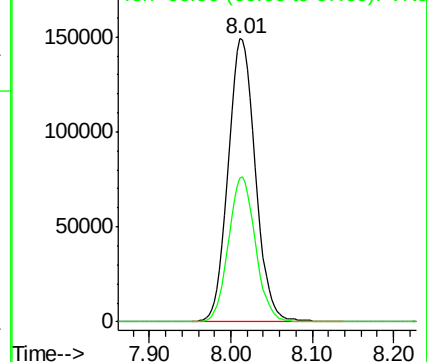
65 100

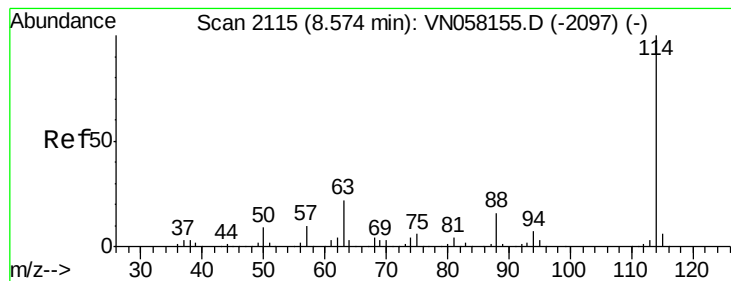
67 50.5 0.0 103.4



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: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

S49-0516

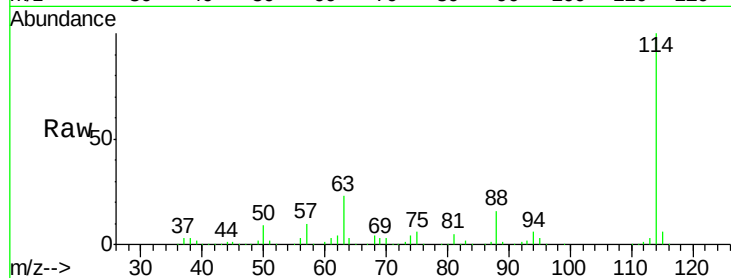
Tot Ion:114 Resp: 750306

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

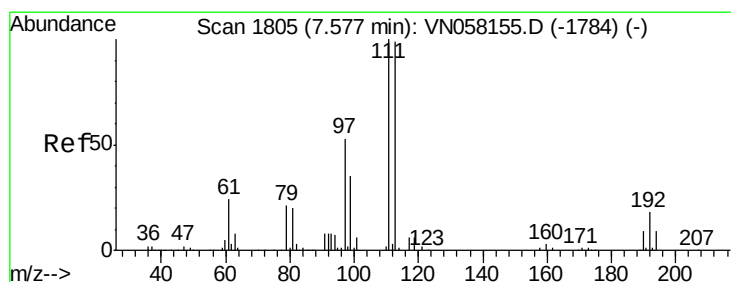
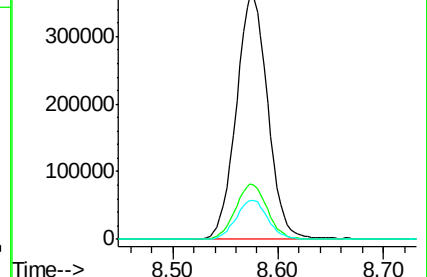
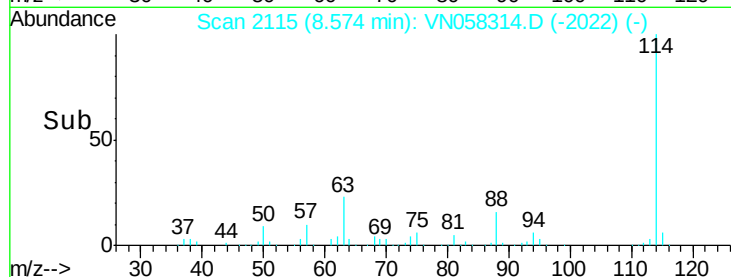
88 16.0 0.0 31.6



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: 52.281 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

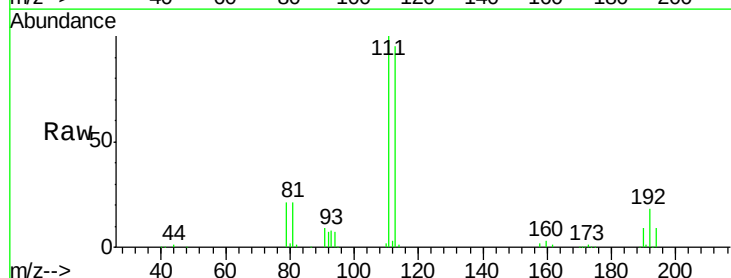
Tgt Ion:113 Resp: 238466

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.6

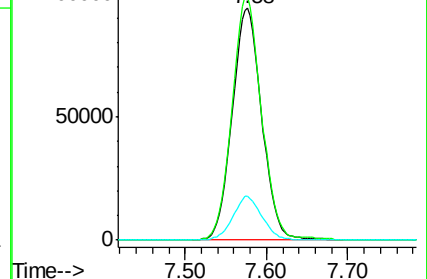
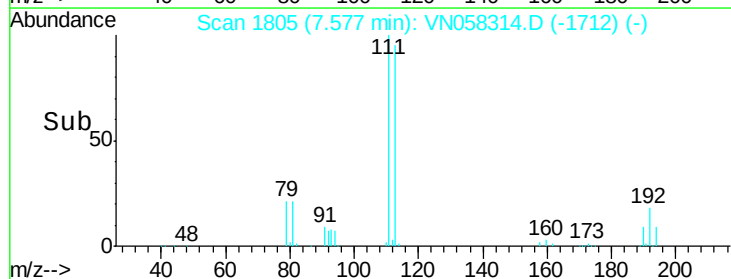
192 18.5 14.5 21.7

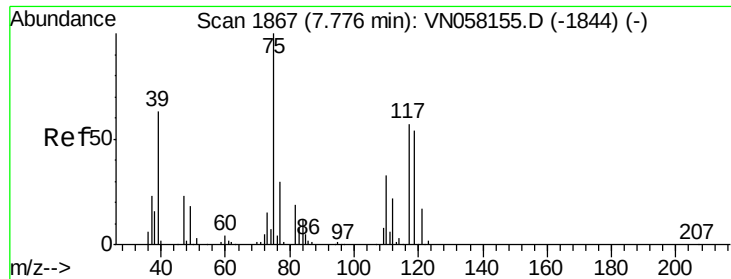


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

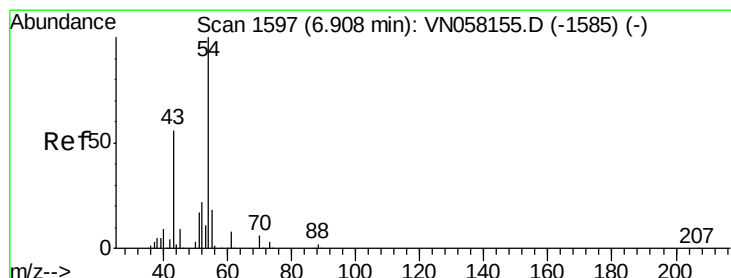
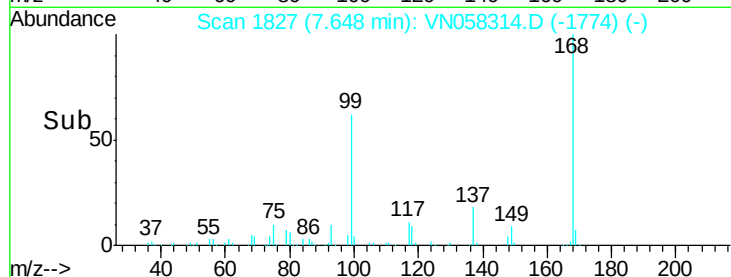
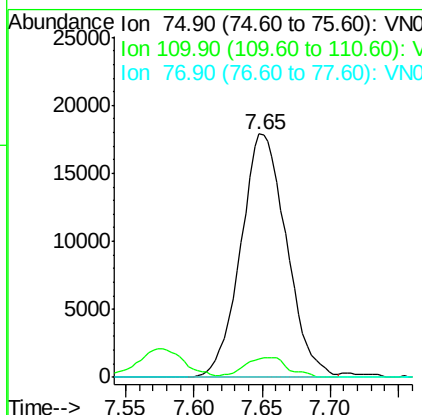
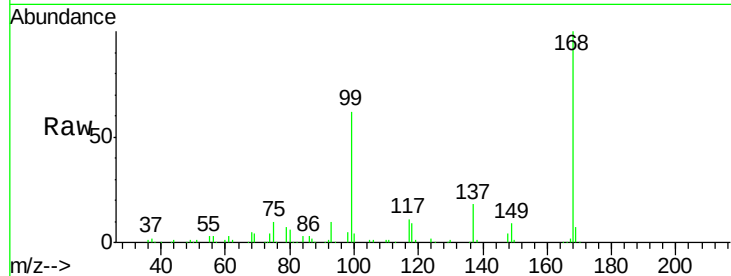




#36
 1,1-Dichloropropene
 Concen: 7.712 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058314.D
 Acq: 24 Sep 2019 00:01

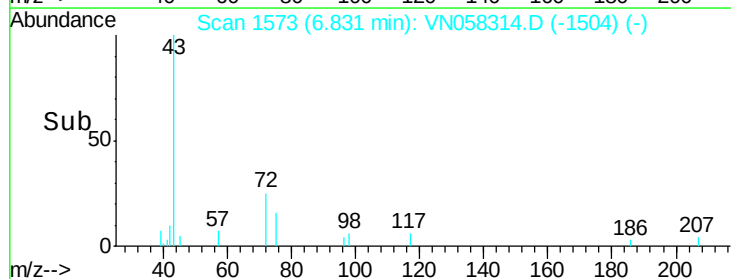
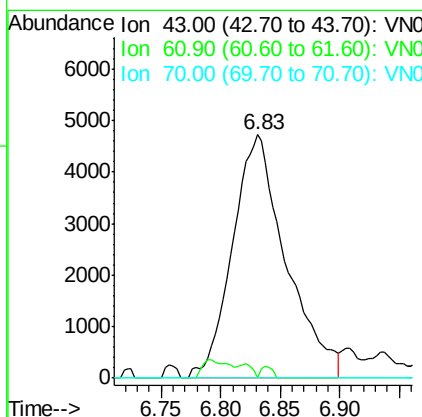
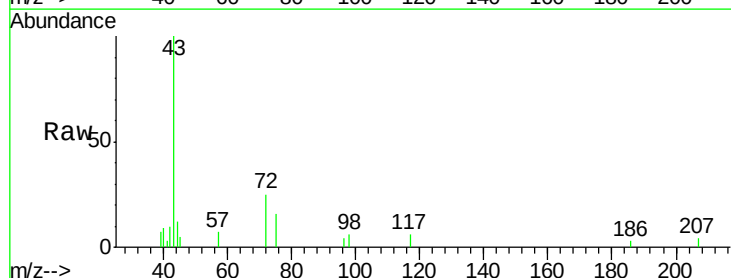
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0516

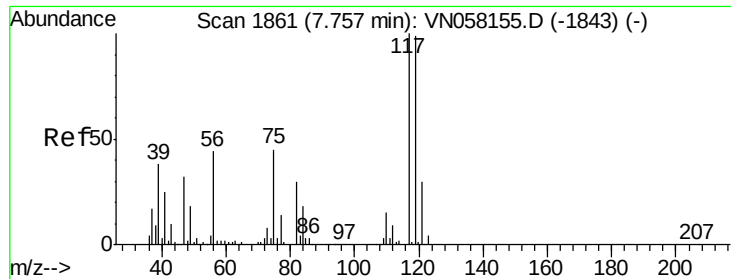
Tot Ion	75	Resp	41730
Ion Ratio	Lower	Upper	
75	100		
110	7.8	16.6	49.7#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 2.619 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.08 min
 Lab File: VN058314.D
 Acq: 24 Sep 2019 00:01

Tgt Ion	43	Resp	14707
Ion Ratio	Lower	Upper	
43	100		
61	1.0	10.7	16.1#
70	0.0	7.6	11.4#

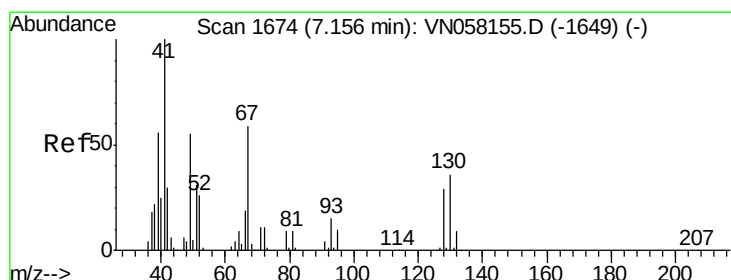
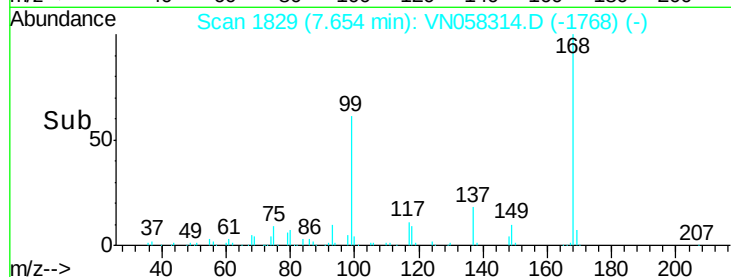
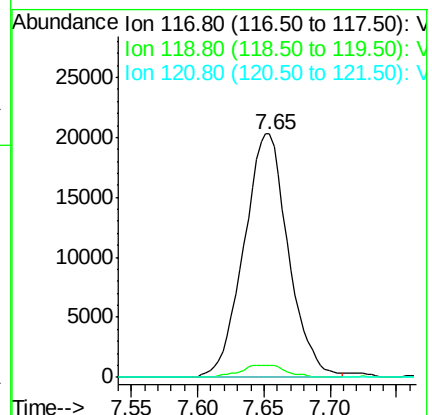
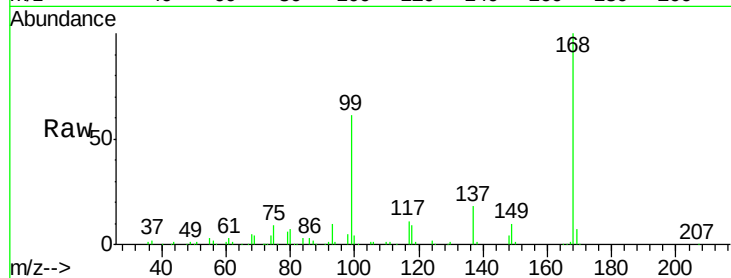




#38
Carbon Tetrachloride
Concen: 8.679 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

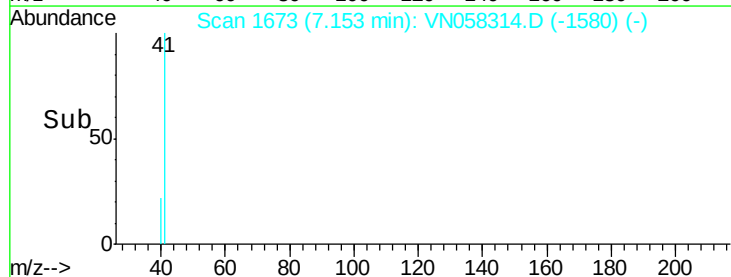
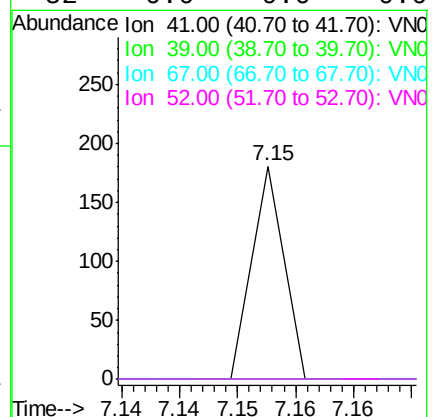
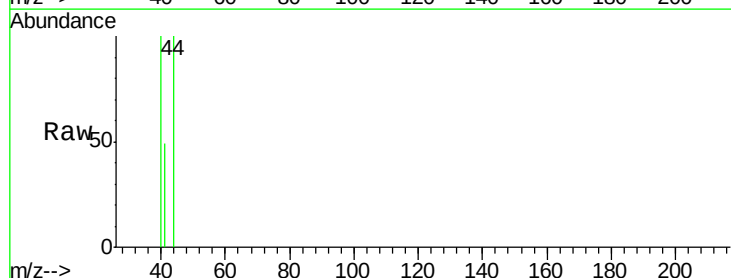
Instrument :
MSVOA_N
ClientSampleId :
S49-0516

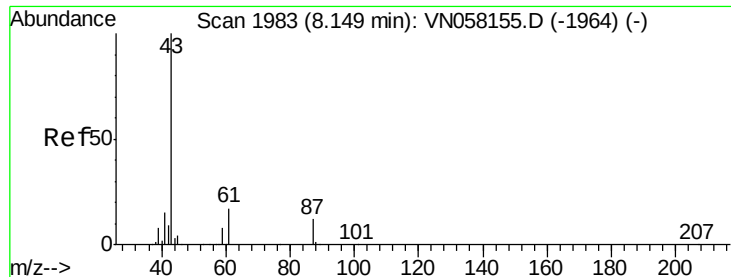
Tot Ion:117 Resp: 47206
Ion Ratio Lower Upper
117 100
119 5.1 78.6 117.8#
121 0.0 24.1 36.1#



#41
Methacrylonitrile
Concen: 0.923 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Tgt Ion: 41 Resp: 35
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





#43

Isopropyl Acetate

Concen: 0.512 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.05 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

S49-0516

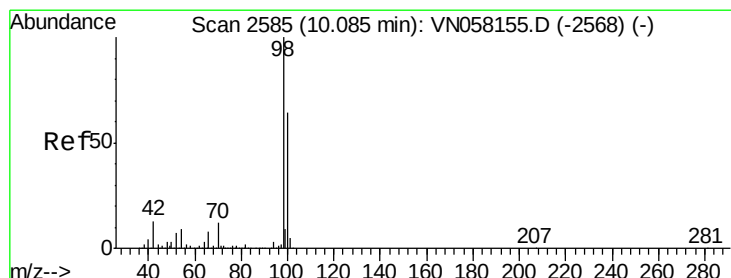
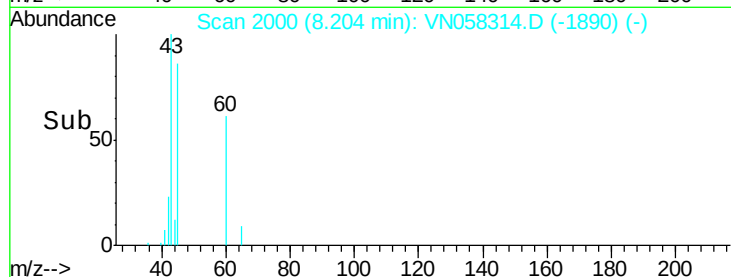
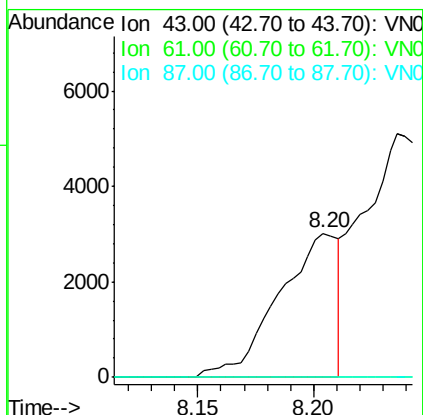
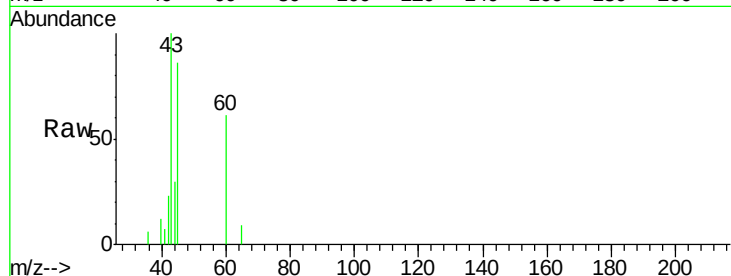
Tot Ion: 43 Resp: 5372

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

87 0.0 9.4 14.2#



#50

Toluene-d8

Concen: 54.412 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058314.D

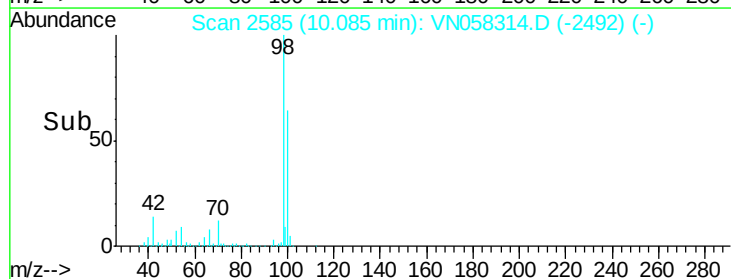
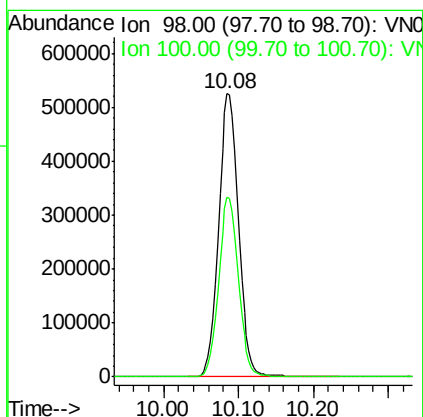
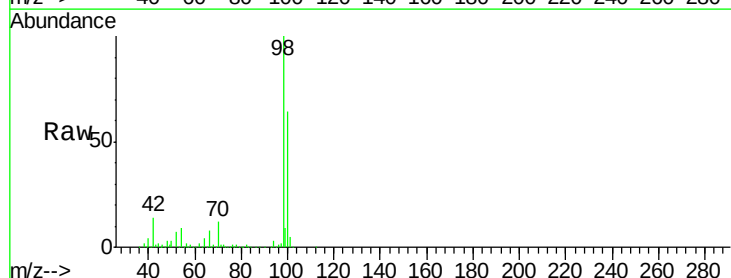
Acq: 24 Sep 2019 00:01

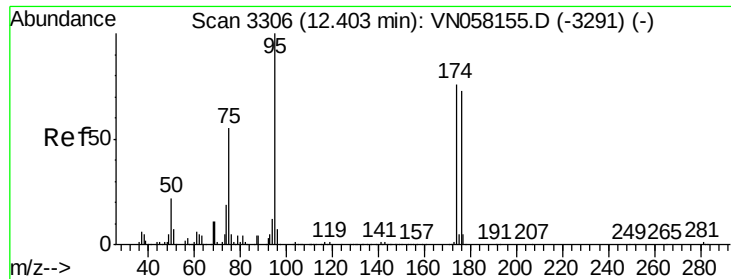
Tgt Ion: 98 Resp: 966985

Ion Ratio Lower Upper

98 100

100 62.9 51.1 76.7

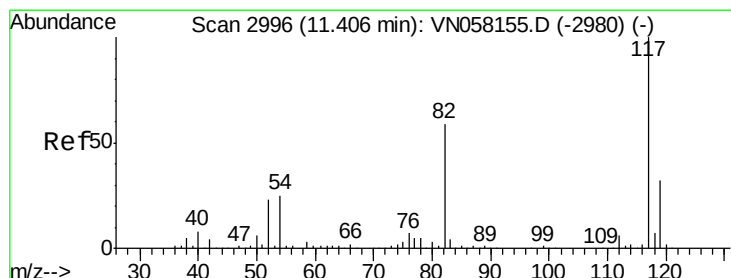
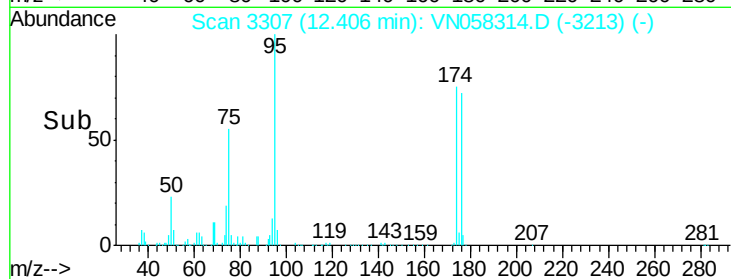
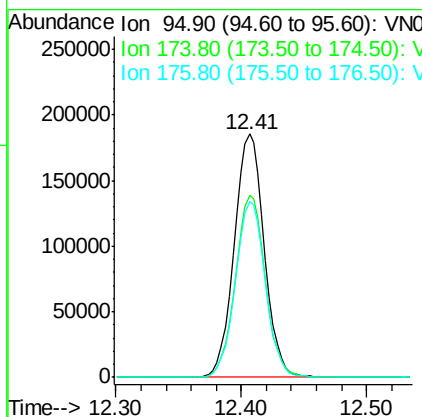
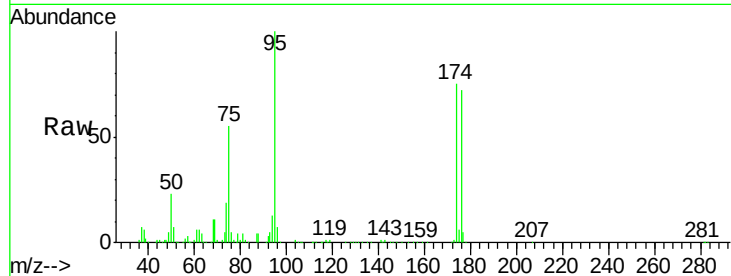




#62
4-Bromofluorobenzene
Concen: 46.524 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

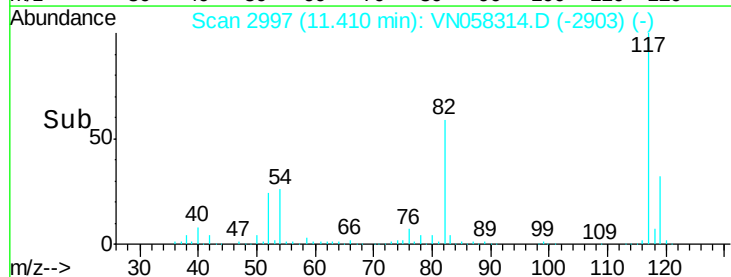
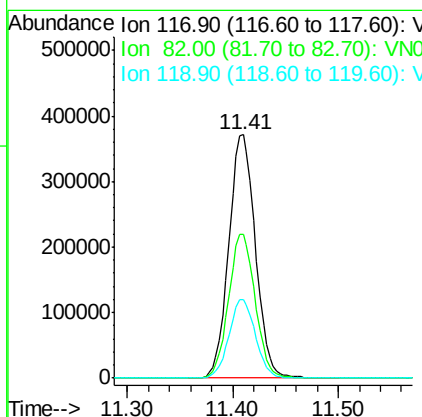
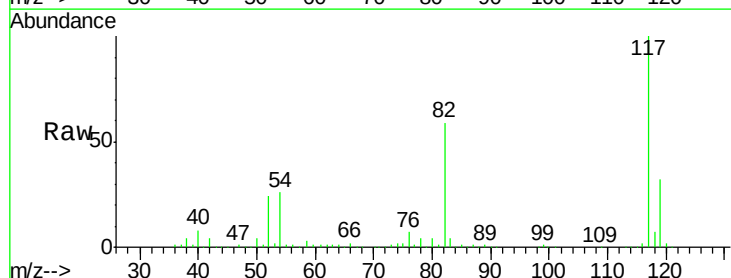
Instrument :
MSVOA_N
ClientSampled :
S49-0516

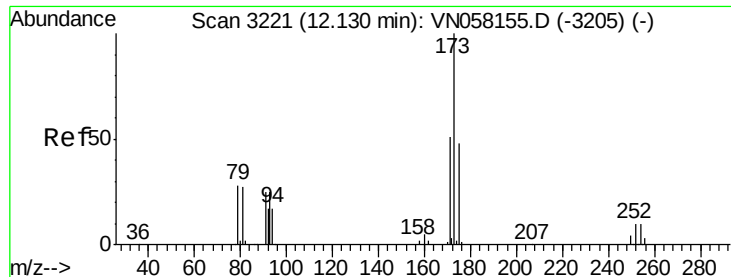
Tot Ion: 95 Resp: 307128
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.2
176 72.7 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058314.D
Acq: 24 Sep 2019 00:01

Tgt Ion: 117 Resp: 647251
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 32.1 25.3 37.9





#71

Bromoform

Concen: 4.312 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampleId :

S49-0516

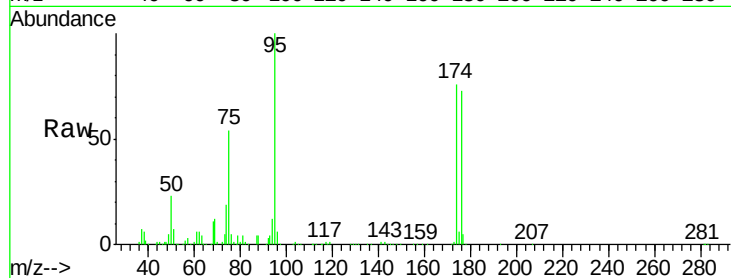
Tot Ion:173 Resp: 2364

Ion Ratio Lower Upper

173 100

175 621.9 24.2 72.6#

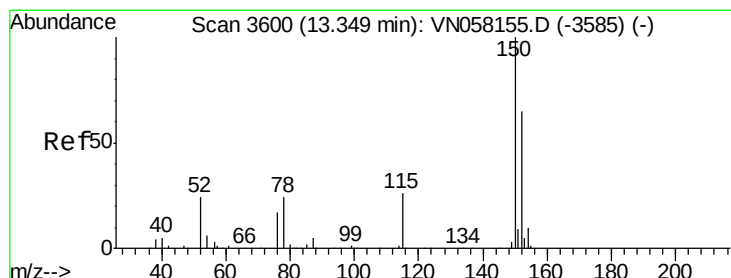
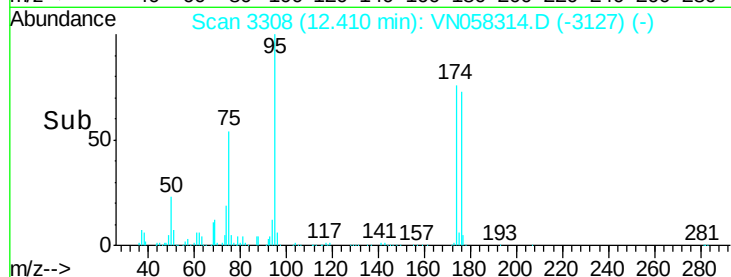
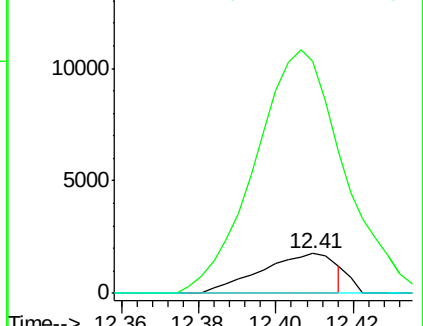
254 0.0 0.1 0.1#



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: VN058314.D

Acq: 24 Sep 2019 00:01

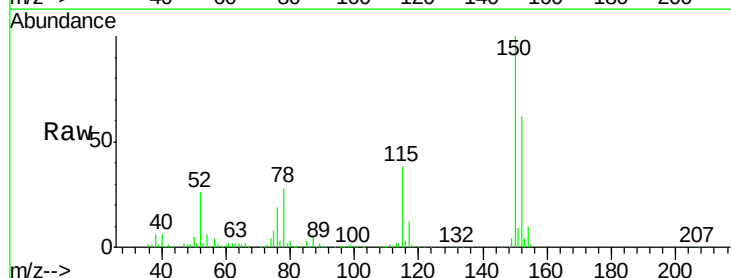
Tgt Ion:152 Resp: 267310

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.3

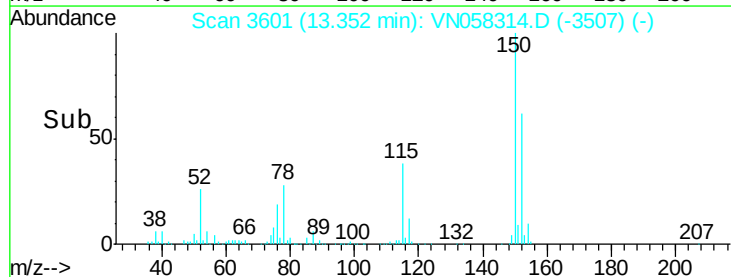
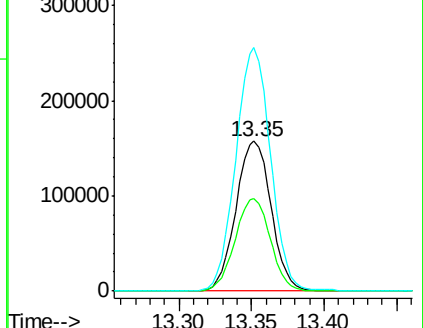
150 159.9 0.0 346.4

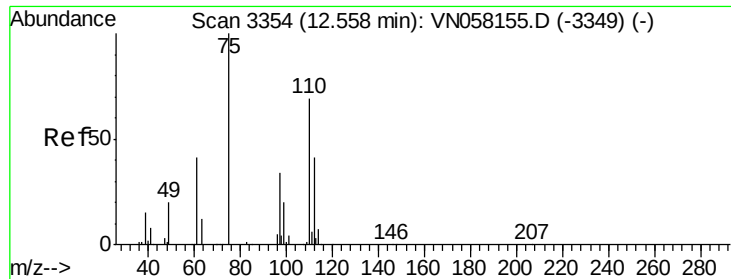


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.287 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Instrument :

MSVOA_N

ClientSampled :

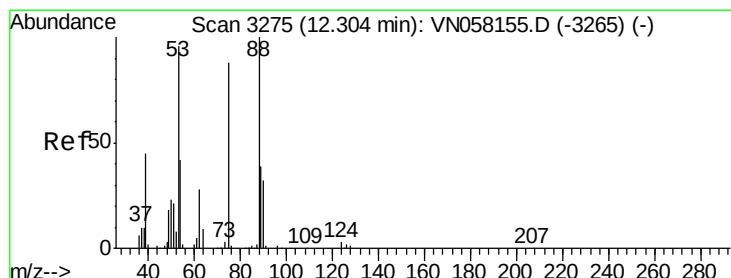
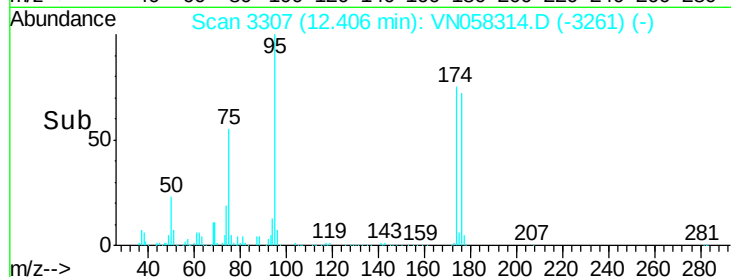
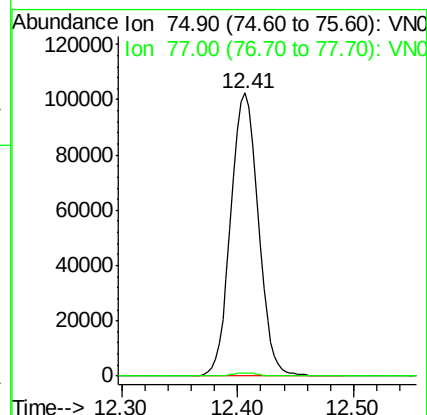
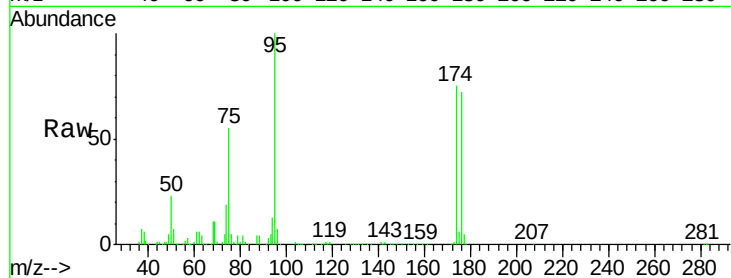
S49-0516

Tot Ion: 75 Resp: 168814

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.663 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058314.D

Acq: 24 Sep 2019 00:01

Tgt Ion: 75 Resp: 168814

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 36.2 54.2#

