

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056339.D
 Acq On : 17 Jun 2019 14:46
 Operator : JC/SP
 Sample : K3392-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 04:34:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	600556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	612076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	206173	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	179514	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.09	98	756419	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	254153	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	520	0.218	ug/l #	75
8) Diethyl Ether	3.40	74	604	0.291	ug/l	88
11) Tert butyl alcohol	4.82	59	580	0.926	ug/l #	73
13) Acrolein	3.60	56	1593	11.947	ug/l	98
14) Allyl chloride	4.27	41	5848	1.061	ug/l #	31
15) Acrylonitrile	4.99	53	2165	1.209	ug/l #	30
16) Acetone	3.82	43	20784	9.445	ug/l	98
17) Carbon Disulfide	4.04	76	2663	0.303	ug/l #	75
18) Methyl Acetate	4.34	43	5265	Below Cal	#	67
20) Methylene Chloride	4.54	84	8523	2.193	ug/l	96
25) 2-Butanone	6.86	43	3979	1.492	ug/l #	85
29) Tetrahydrofuran	7.23	42	1218	0.769	ug/l #	53
31) Cyclohexane	7.66	56	5913	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22603	4.182	ug/l #	49
37) Ethyl Acetate	6.86	43	3979	0.777	ug/l #	68
38) Carbon Tetrachloride	7.66	117	30328	5.847	ug/l #	15
40) Benzene	8.05	78	3798	0.232	ug/l	94
41) Methacrylonitrile	7.21	41	471	0.200	ug/l #	31
43) Isopropyl Acetate	8.17	43	12668	1.546	ug/l	95
45) 1,2-Dichloropropane	9.27	63	1607	0.371	ug/l #	44
48) Methyl methacrylate	9.18	41	8730	2.112	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	6187	1.185	ug/l	95
52) Toluene	10.16	92	4300	0.430	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	46269	7.345	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	10098	1.458	ug/l #	42
59) 2-Hexanone	10.76	43	136698	35.300	ug/l #	53
68) m/p-Xylenes	11.62	106	1922	0.241	ug/l	85
71) Bromoform	12.40	173	1803	0.500	ug/l #	1
73) Isopropylbenzene	12.25	105	1339	Below Cal	#	63
74) N-amyl acetate	12.07	43	1316	0.218	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.51	83	240	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	117067	28.582	ug/l #	100
77) Bromobenzene	12.53	156	494	Below Cal		80
79) 2-Chlorotoluene	12.68	91	1030	Below Cal		95

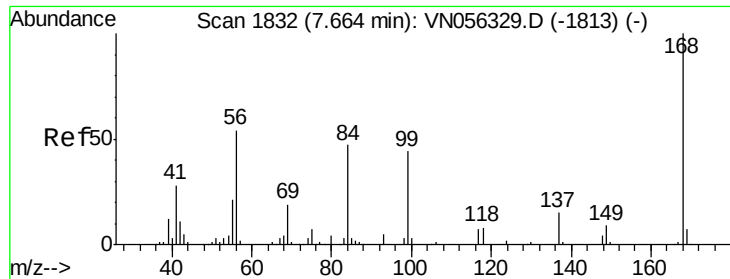
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061719\
 Data File : VN056339.D
 Acq On : 17 Jun 2019 14:46
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	117067	88.802	uq/l #	13
83) tert-Butylbenzene	13.00	119	1129	Below Cal	#	79
89) n-Butylbenzene	13.61	91	2675	0.277	uq/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	1554	5.724	uq/l	96
94) Hexachlorobutadiene	15.01	225	542	Below Cal		92
95) Naphthalene	15.13	128	5436	5.223	uq/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1921	4.314	uq/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

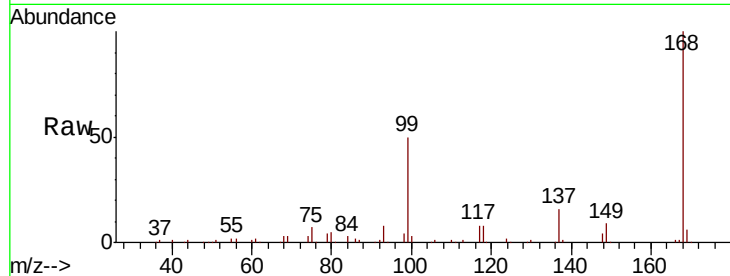
ClientSampleId :

Tot Ion:168 Resp: 354186

Ion Ratio Lower Upper

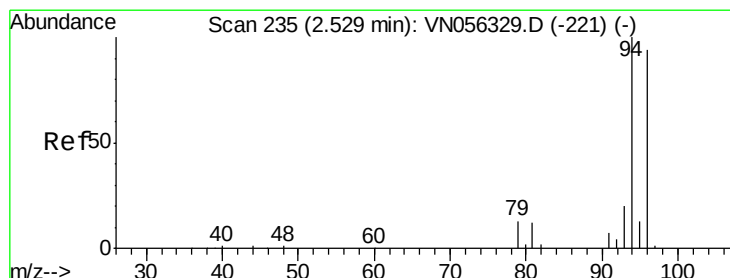
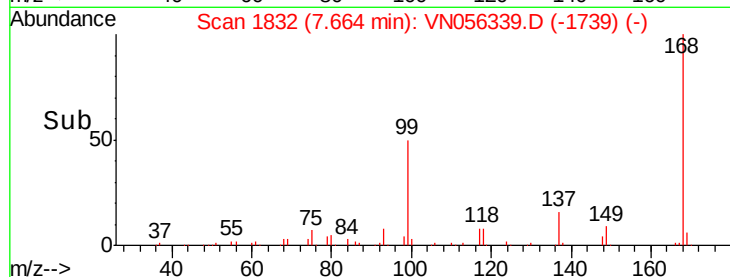
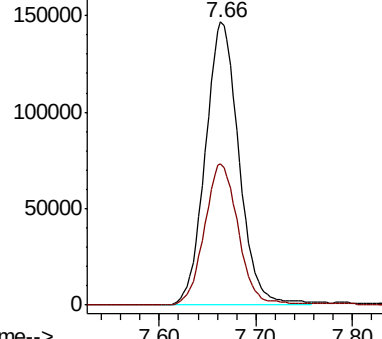
168 100

99 50.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#5

Bromomethane

Concen: 0.218 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN056339.D

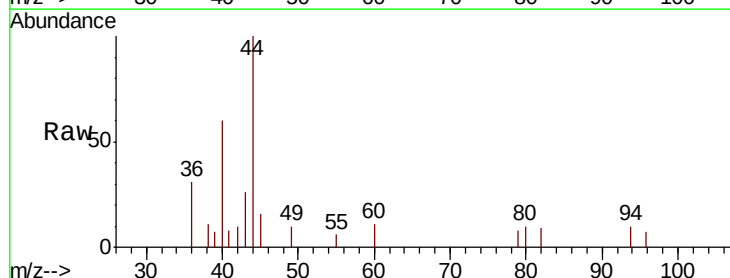
Acq: 17 Jun 2019 14:46

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

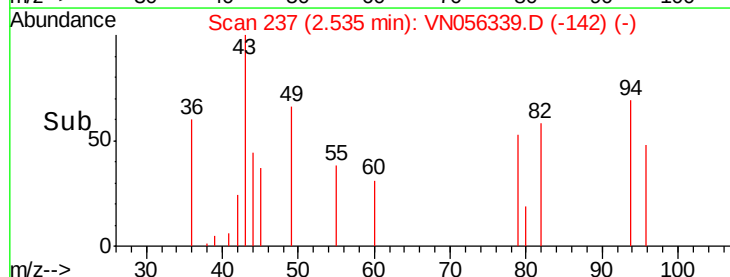
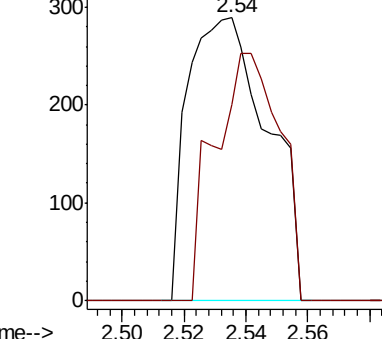
94 100

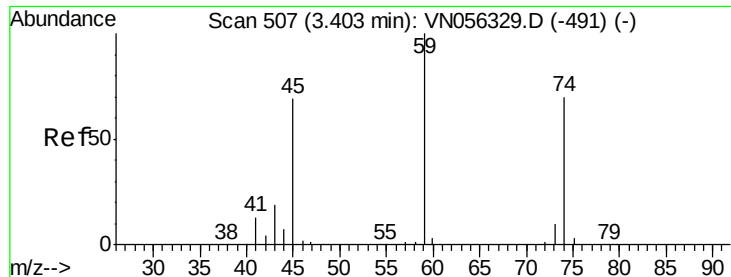
96 69.6 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN





#8

Diethyl Ether

Concen: 0.291 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

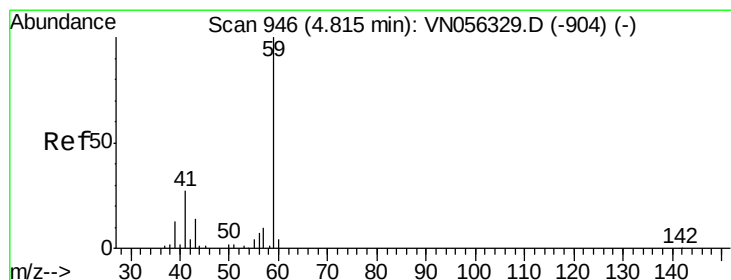
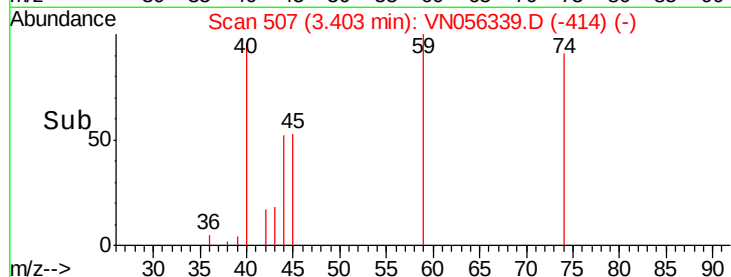
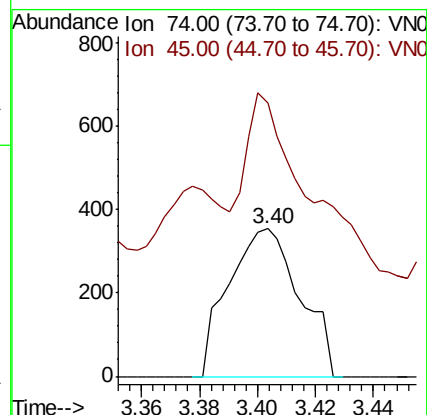
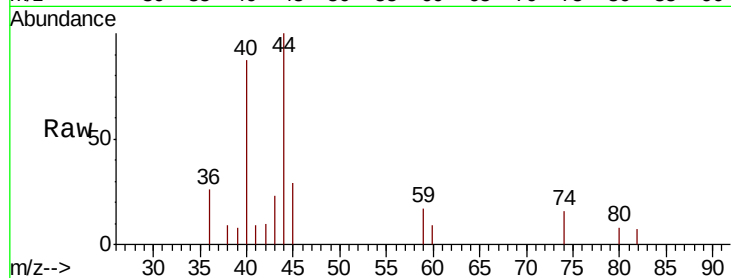
ClientSampleId :

Tot Ion: 74 Resp: 604

Ion Ratio Lower Upper

74 100

45 109.9 49.0 147.0



#11

Tert butyl alcohol

Concen: 0.926 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.00 min

Lab File: VN056339.D

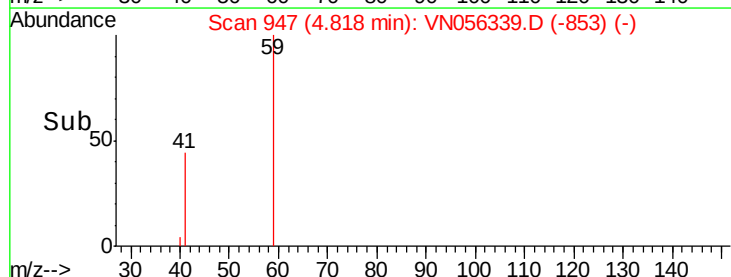
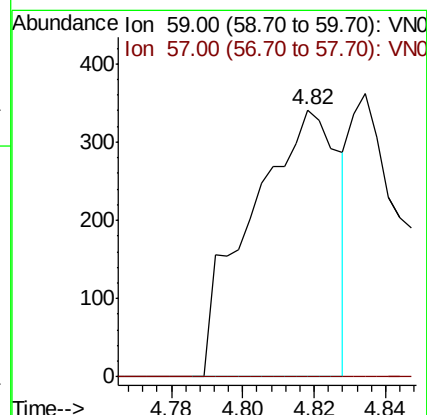
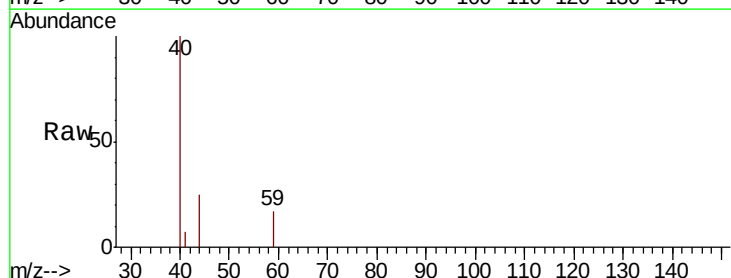
Acq: 17 Jun 2019 14:46

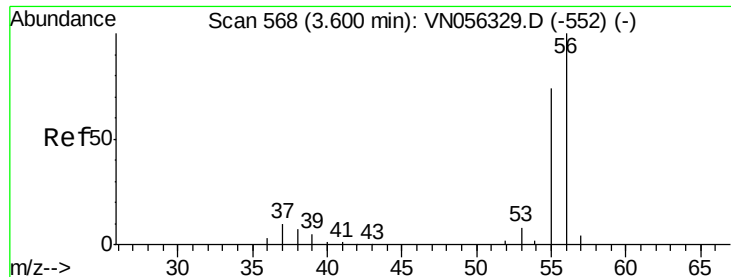
Tgt Ion: 59 Resp: 580

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: 11.947 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

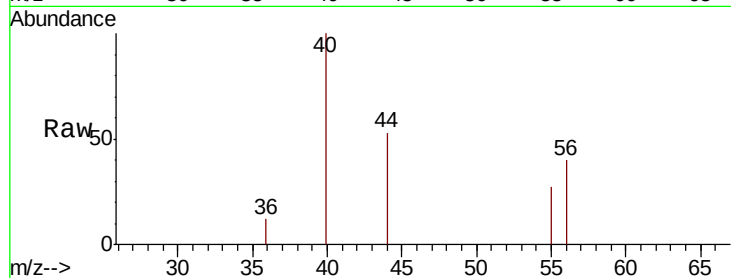
ClientSampleId :

Tot Ion: 56 Resp: 1593

Ion Ratio Lower Upper

56 100

55 72.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

800

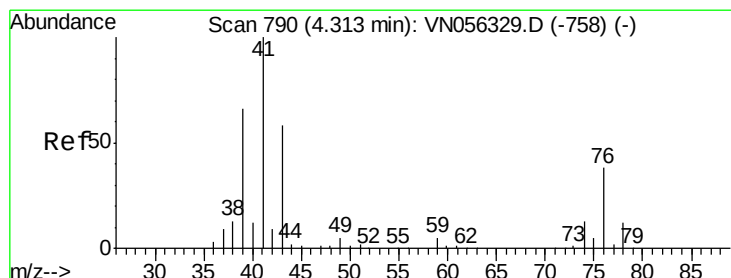
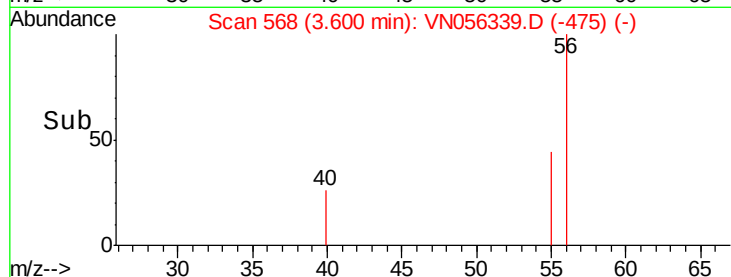
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 1.061 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.04 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

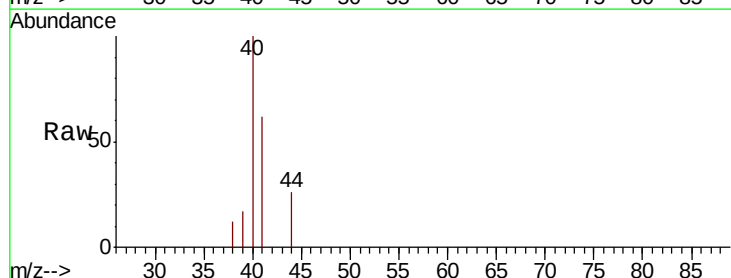
Tgt Ion: 41 Resp: 5848

Ion Ratio Lower Upper

41 100

39 4.2 48.9 73.3#

76 0.0 27.2 40.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.27

2000

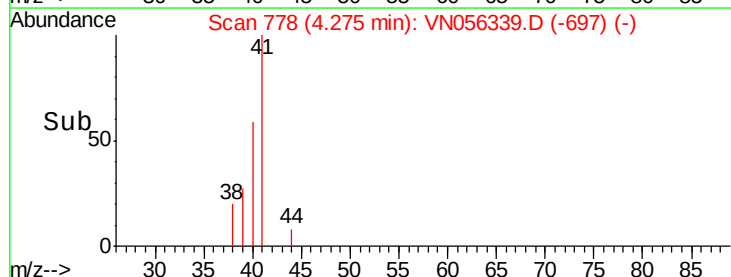
1500

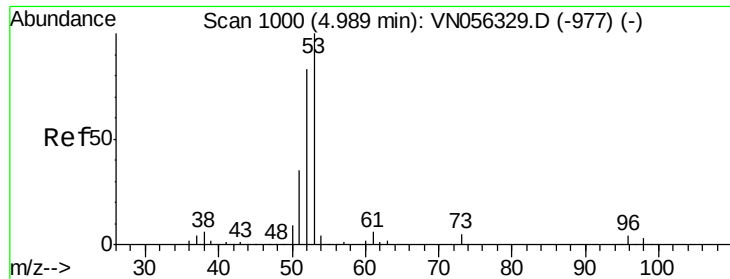
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 1.209 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

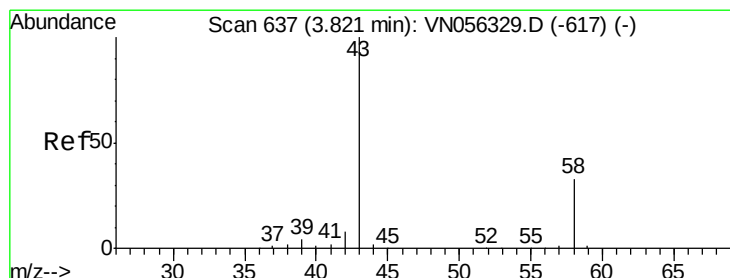
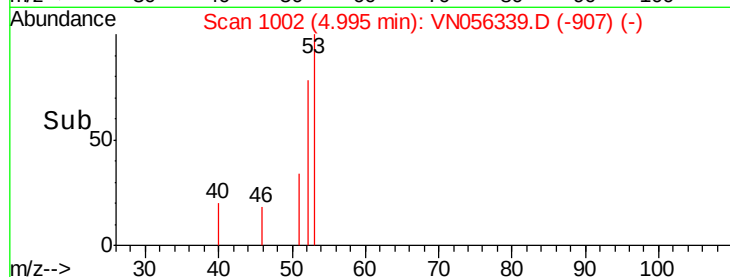
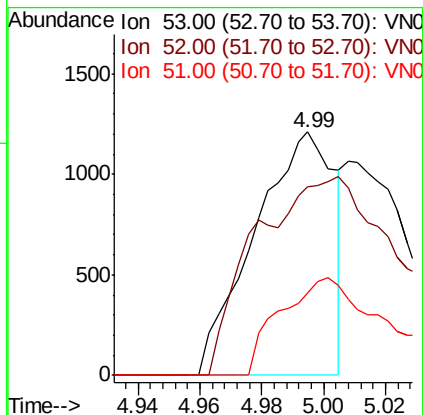
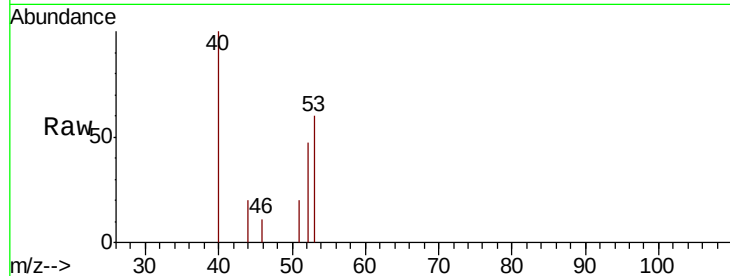
Tot Ion: 53 Resp: 2165

Ion Ratio Lower Upper

53 100

52 160.9 65.4 98.2#

51 52.2 28.5 42.7#



#16

Acetone

Concen: 9.445 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN056339.D

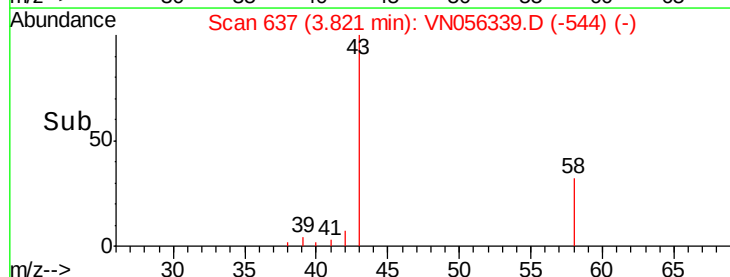
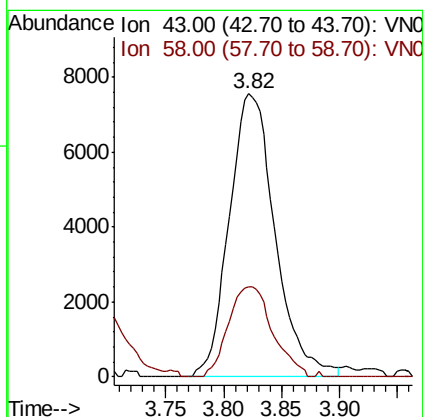
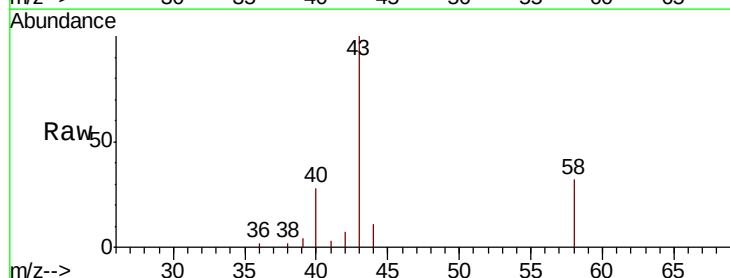
Acq: 17 Jun 2019 14:46

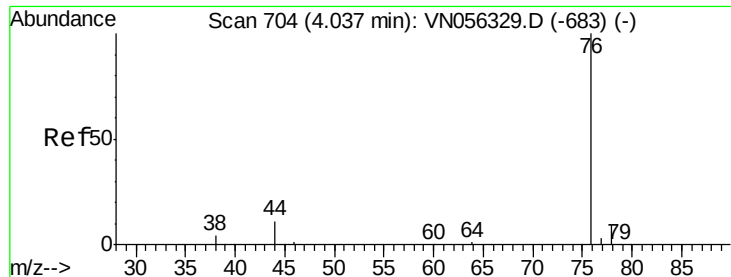
Tgt Ion: 43 Resp: 20784

Ion Ratio Lower Upper

43 100

58 31.7 26.5 39.7

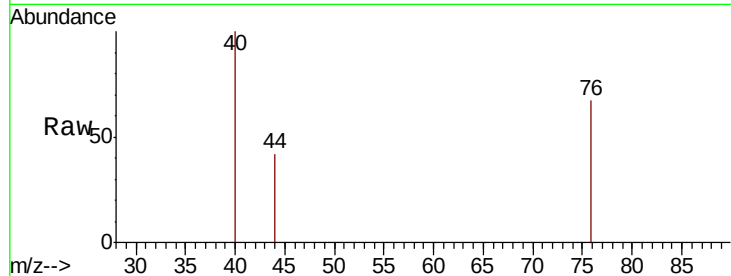




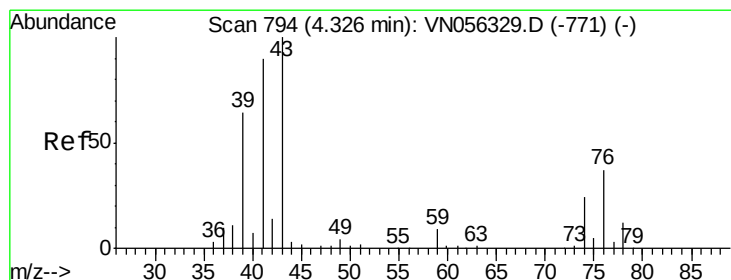
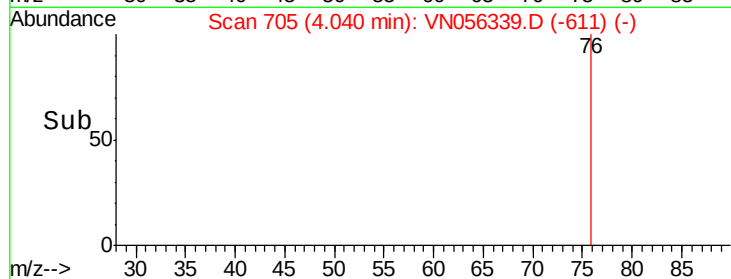
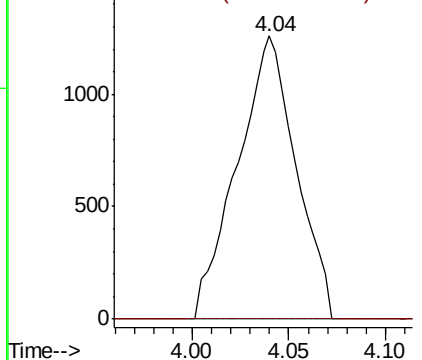
#17
Carbon Disulfide
Concen: 0.303 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 2663
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

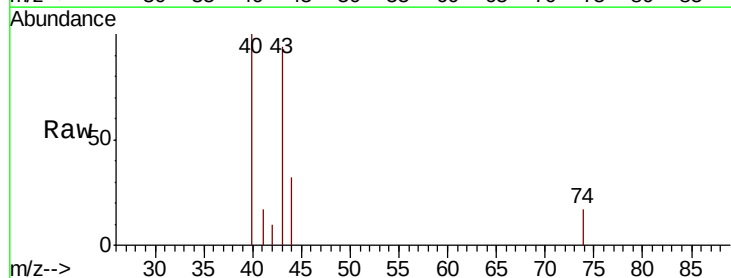


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

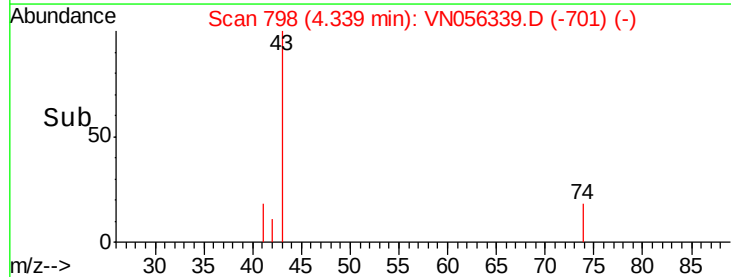
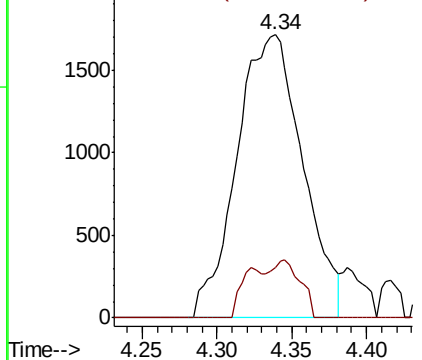


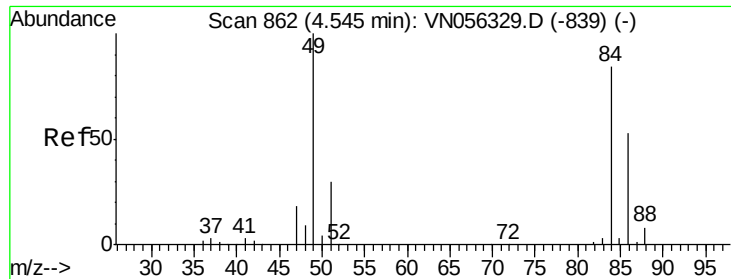
#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 43 Resp: 5265
Ion Ratio Lower Upper
43 100
74 8.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

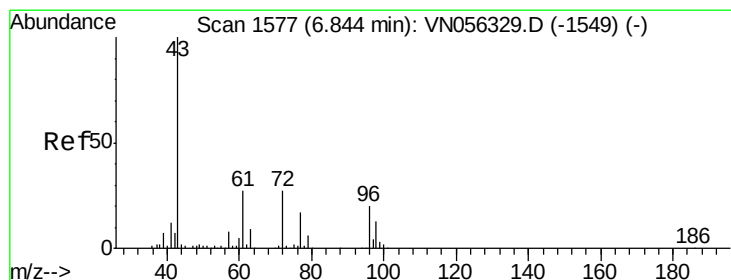
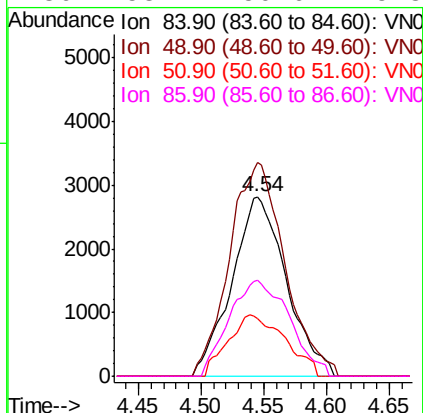
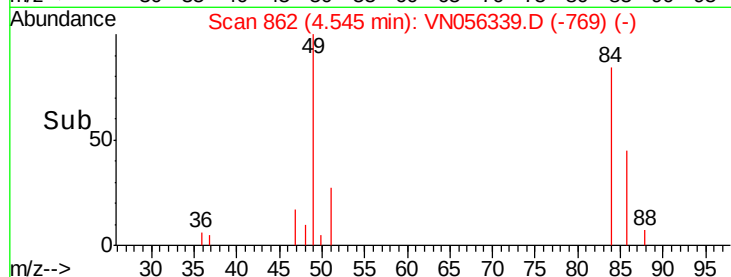
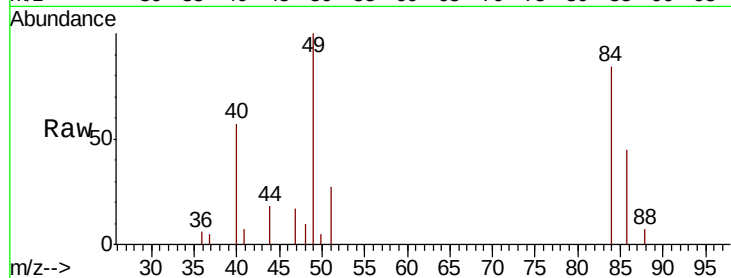




#20
Methvlene Chloride
Concen: 2.193 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

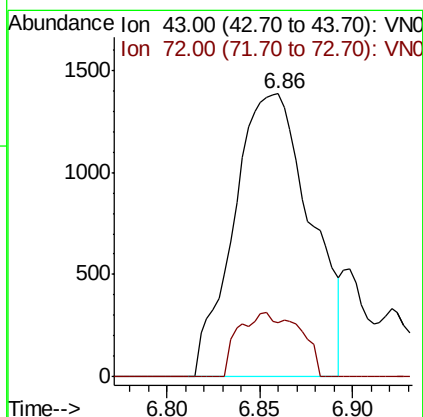
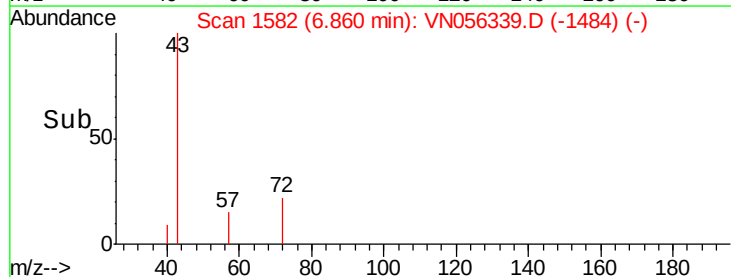
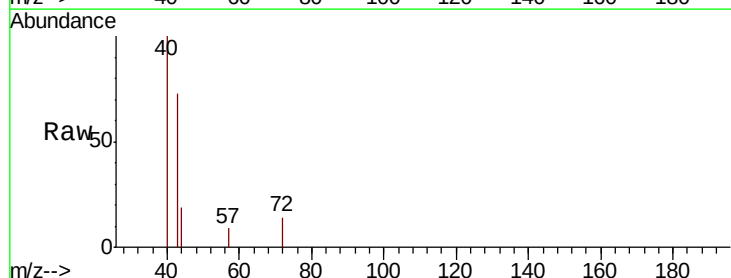
Instrument :
MSVOA_N
ClientSampled :

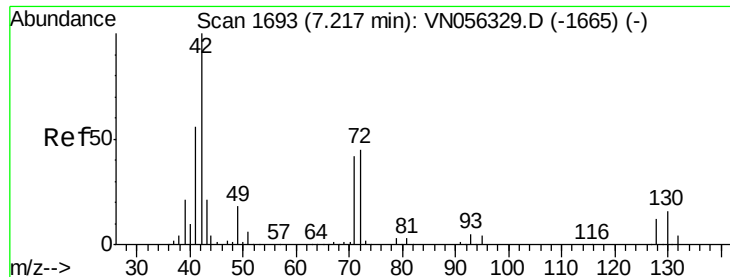
Tot Ion: 84 Resp: 8523
Ion Ratio Lower Upper
84 100
49 118.9 95.0 142.6
51 32.4 28.2 42.4
86 53.7 50.6 75.8



#25
2-Butanone
Concen: 1.492 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
72 19.3 21.4 32.2#

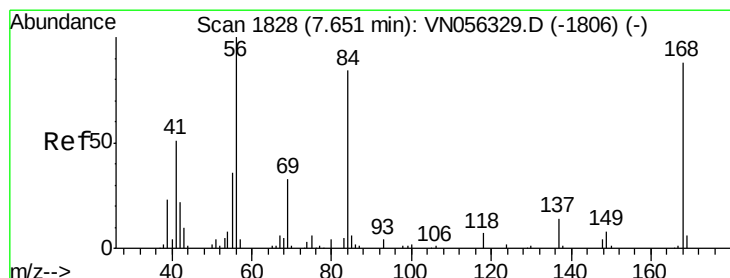
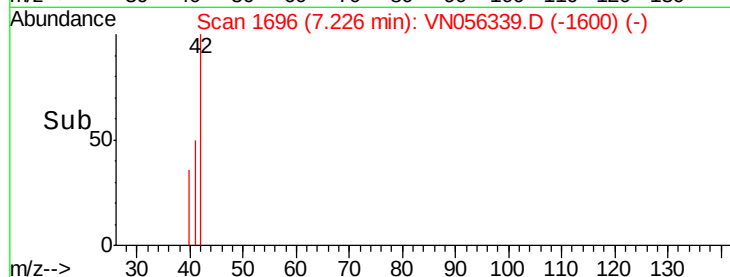
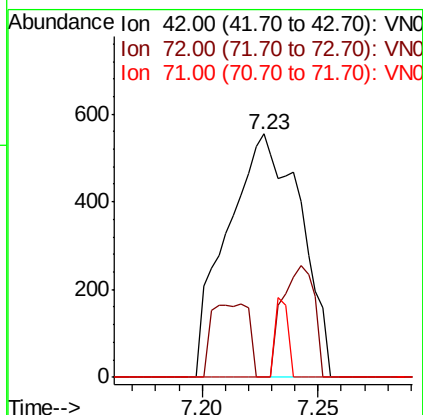
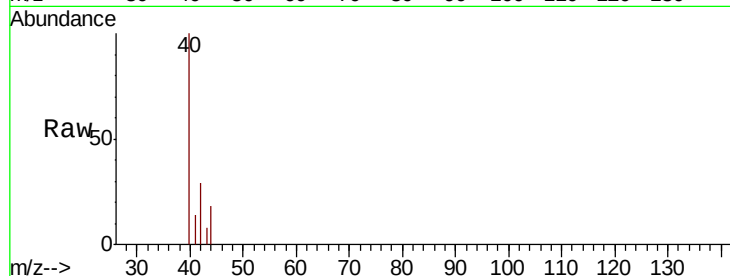




#29
Tetrahydrofuran
Concen: 0.769 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

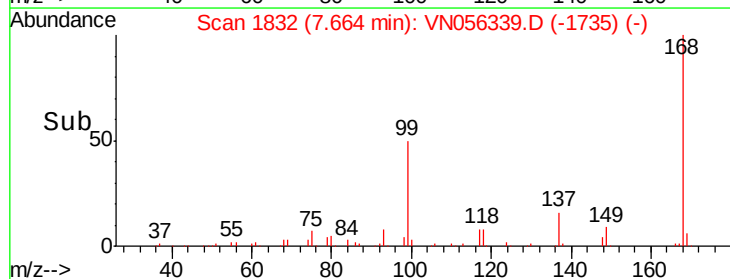
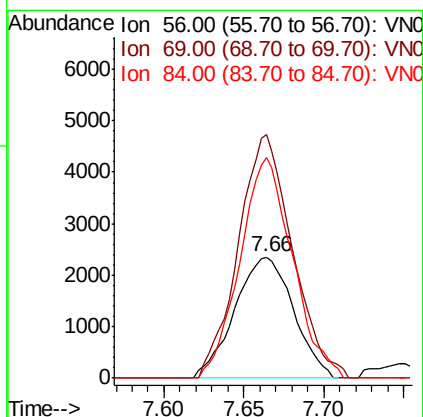
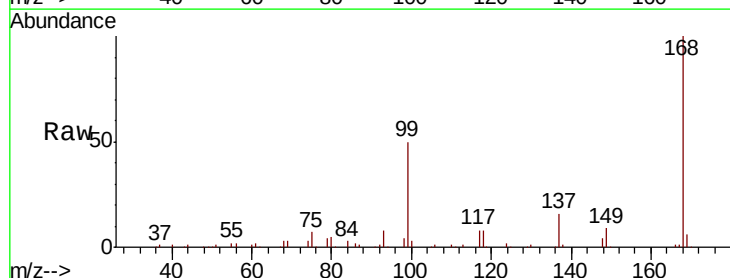
Instrument :
MSVOA_N
ClientSampleId :

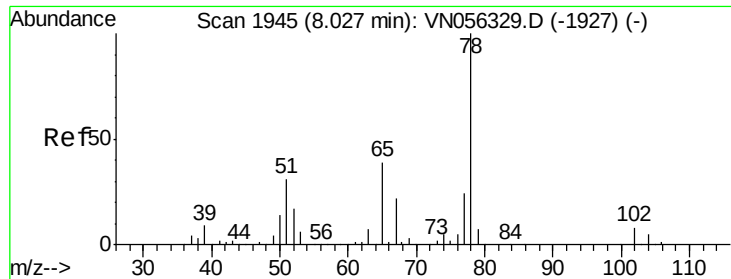
Tot Ion: 42 Resp: 1218
Ion Ratio Lower Upper
42 100
72 19.9 35.3 52.9#
71 5.5 32.7 49.1#



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 56 Resp: 5913
Ion Ratio Lower Upper
56 100
69 201.1 26.0 39.0#
84 181.8 67.4 101.0#

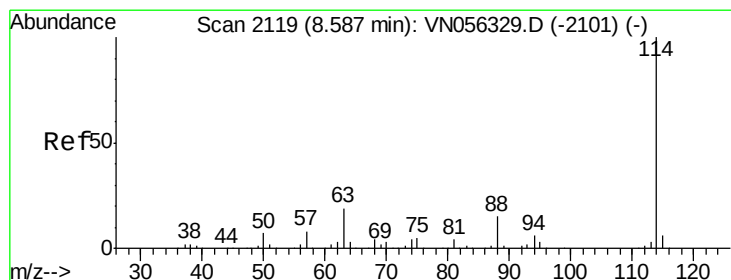
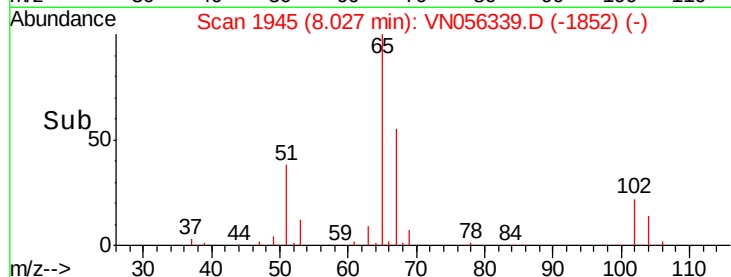
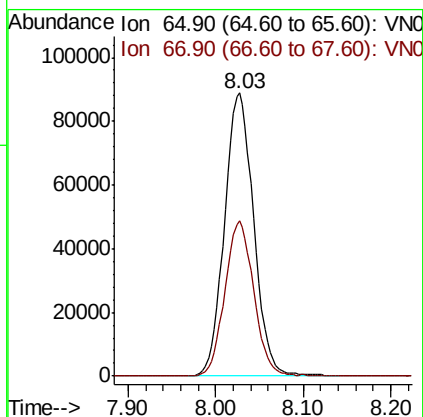
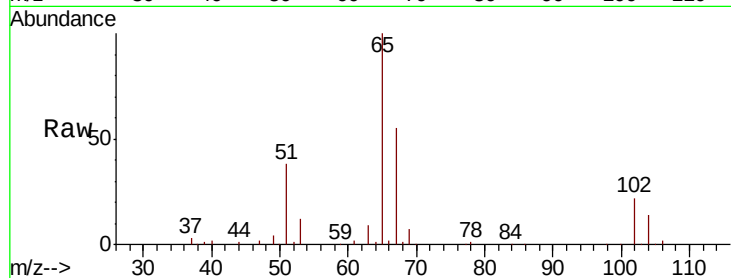




#33
 1,2-Dichloroethane-d4
 Concen: 51.770 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056339.D
 Acq: 17 Jun 2019 14:46

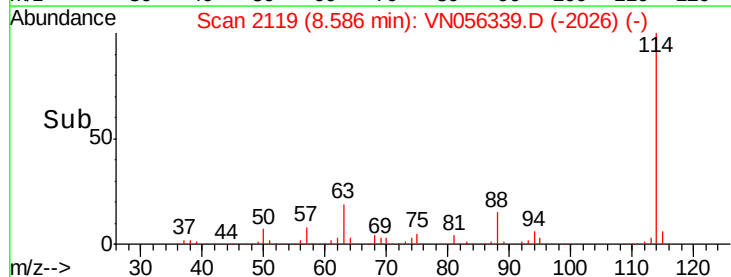
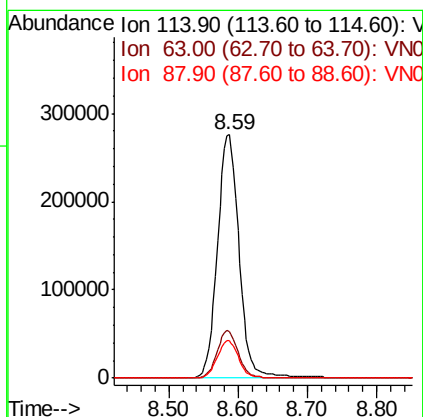
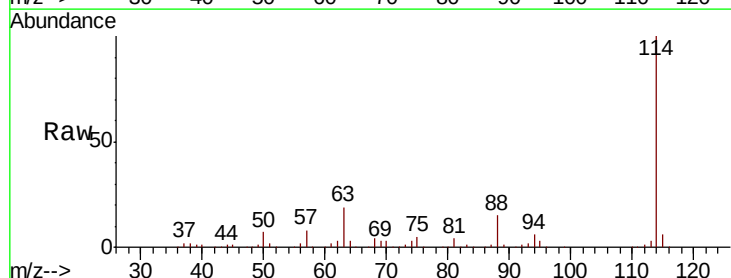
Instrument :
 MSVOA_N
 ClientSampleId :

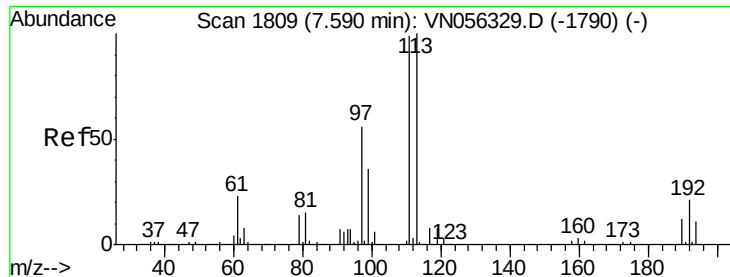
Tot Ion: 65 Resp: 206173
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056339.D
 Acq: 17 Jun 2019 14:46

Tgt Ion: 114 Resp: 600556
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.612 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

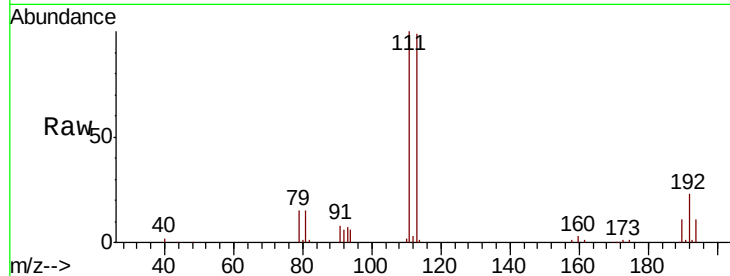
Tot Ion:113 Resp: 179514

Ion Ratio Lower Upper

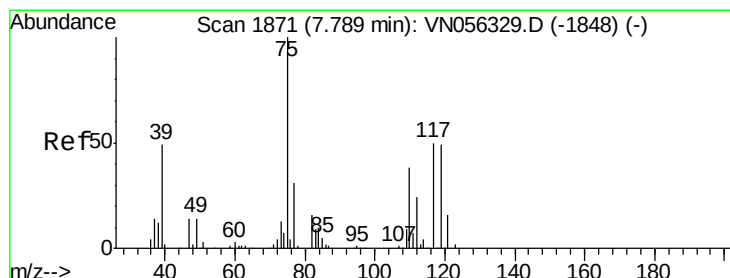
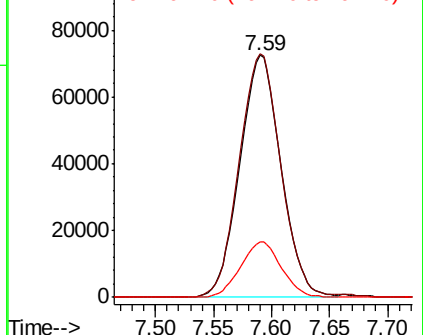
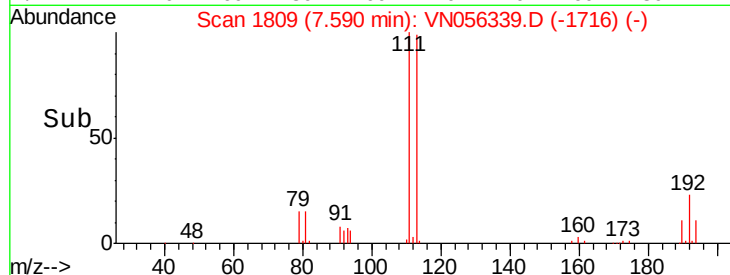
113 100

111 101.5 82.1 123.1

192 22.6 17.6 26.4



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: 4.182 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

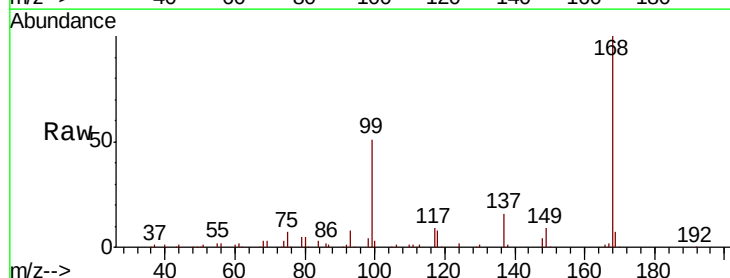
Tgt Ion: 75 Resp: 22603

Ion Ratio Lower Upper

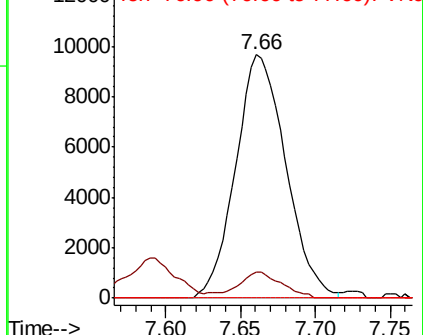
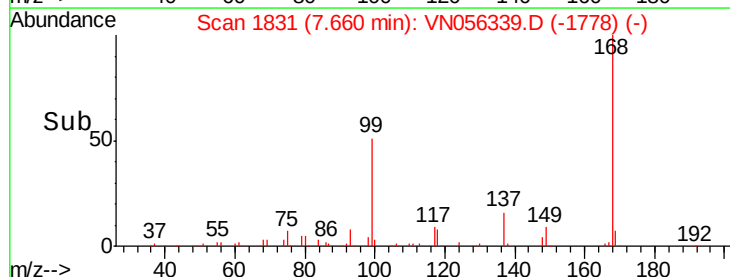
75 100

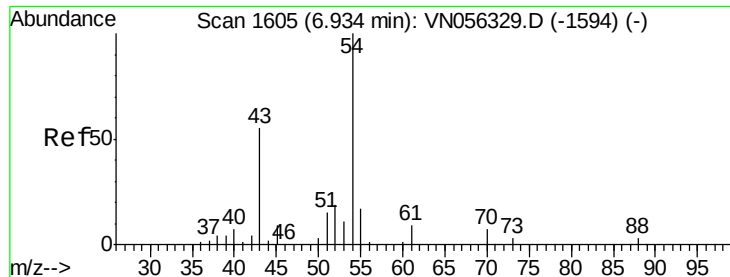
110 9.4 18.6 56.0#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

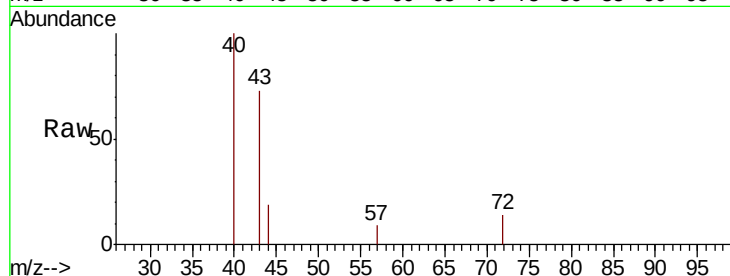




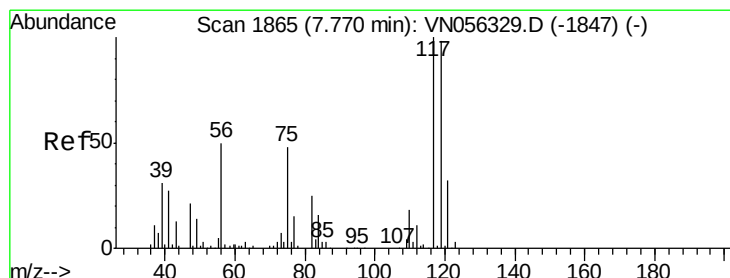
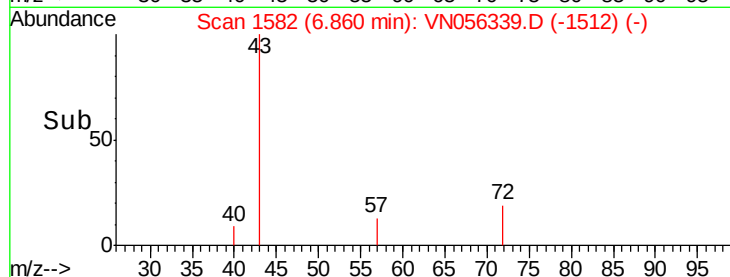
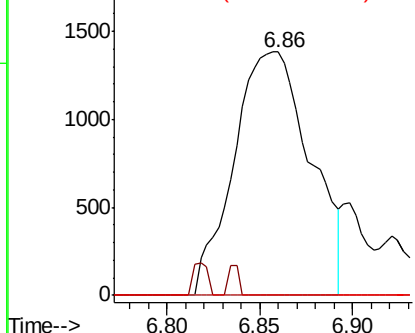
#37
Ethyl Acetate
Concen: 0.777 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. -0.07 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.3 12.5#

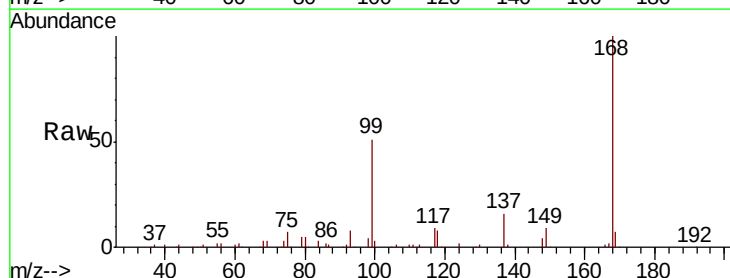


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

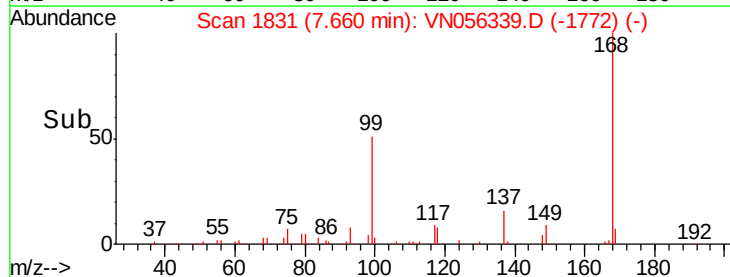
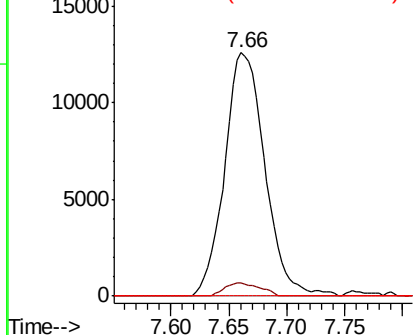


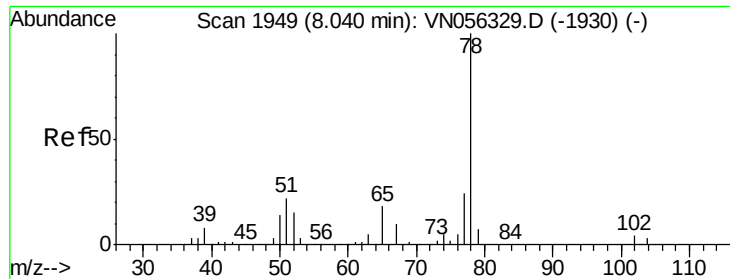
#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 117 Resp: 30328
Ion Ratio Lower Upper
117 100
119 5.2 77.8 116.8#
121 0.0 25.3 37.9#



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





#40

Benzene

Concen: 0.232 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

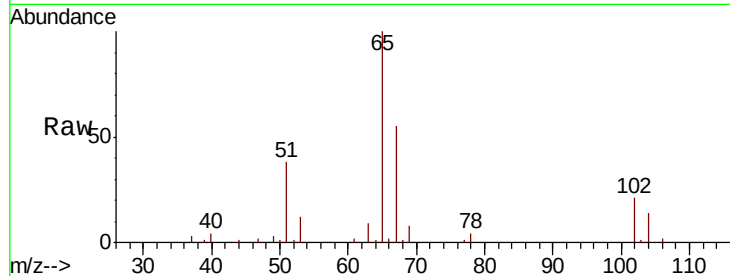
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 3798

Ion Ratio Lower Upper

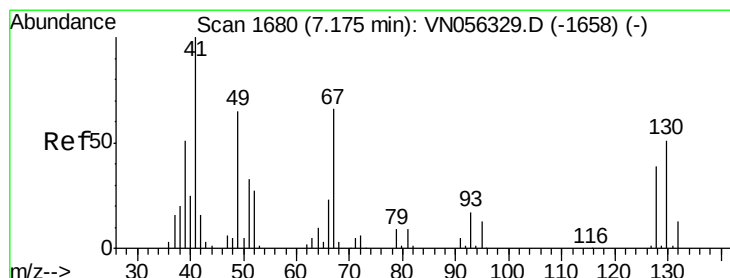
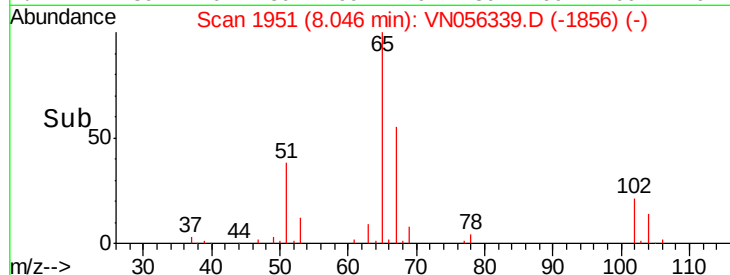
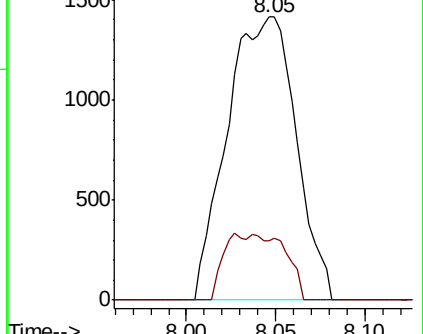
78 100

77 20.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.200 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Tgt Ion: 41 Resp: 471

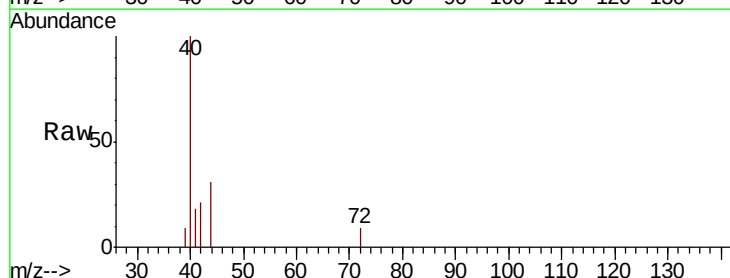
Ion Ratio Lower Upper

41 100

39 30.1 44.5 66.7#

67 0.0 69.0 103.4#

52 0.0 28.1 42.1#

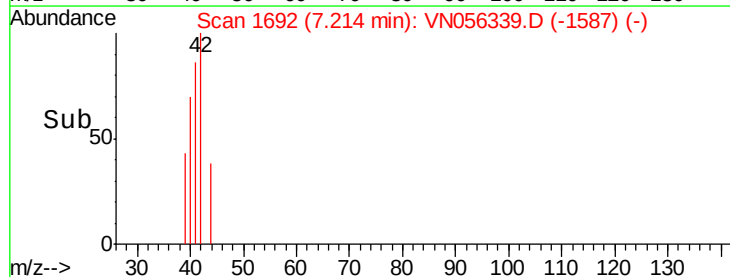
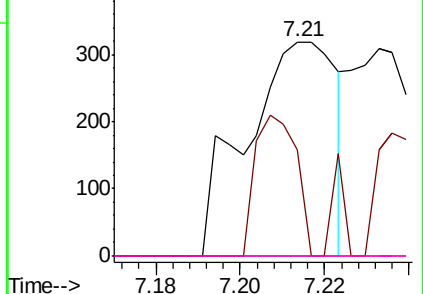


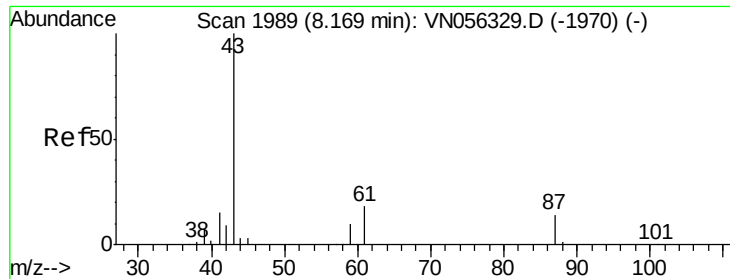
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#43

Isopropyl Acetate

Concen: 1.546 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

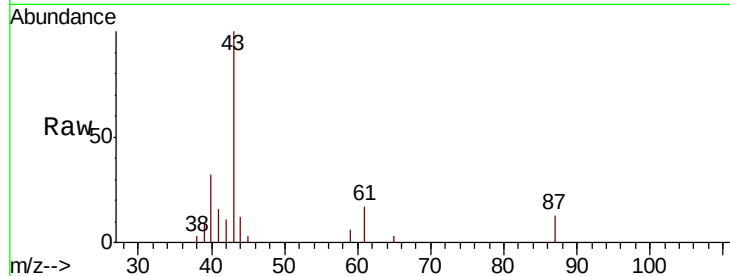
Tot Ion: 43 Resp: 12668

Ion Ratio Lower Upper

43 100

61 19.0 16.6 25.0

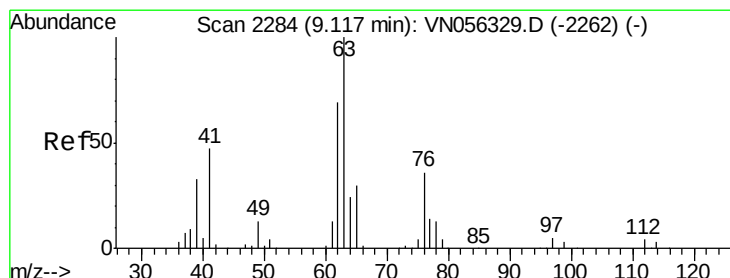
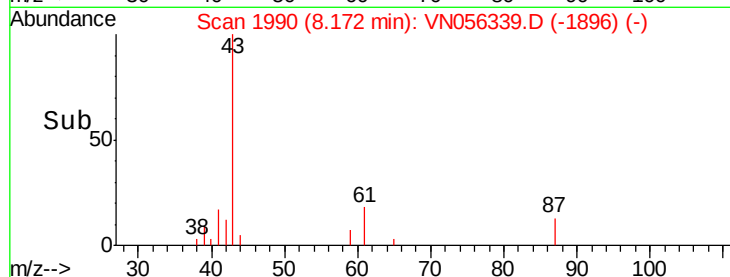
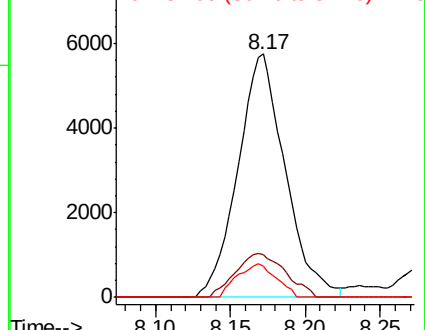
87 11.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.371 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN056339.D

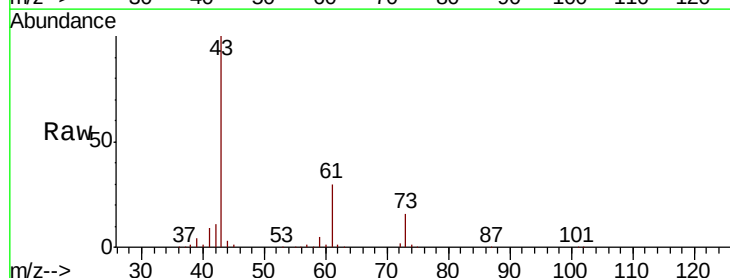
Acq: 17 Jun 2019 14:46

Tgt Ion: 63 Resp: 1607

Ion Ratio Lower Upper

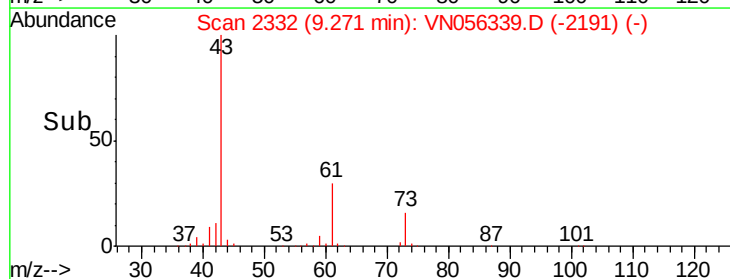
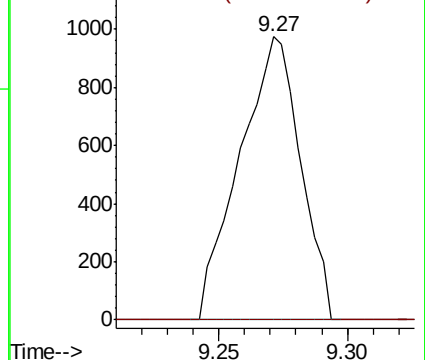
63 100

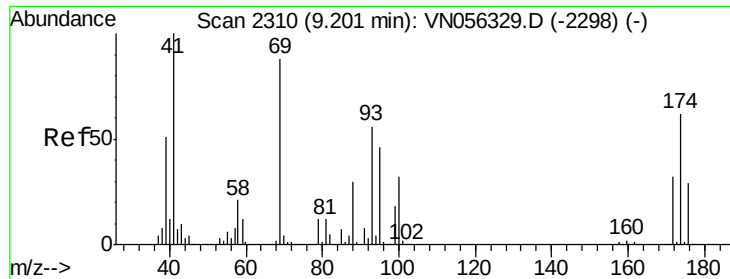
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

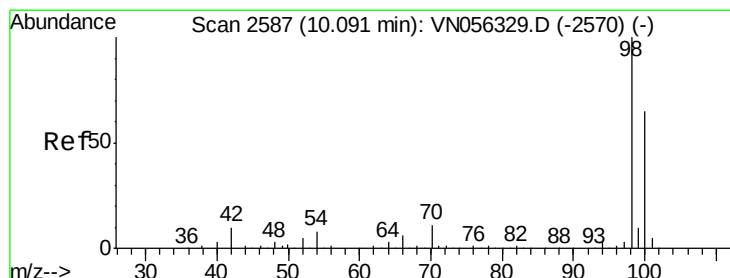
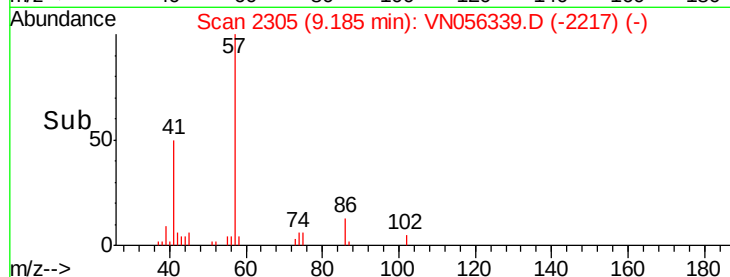
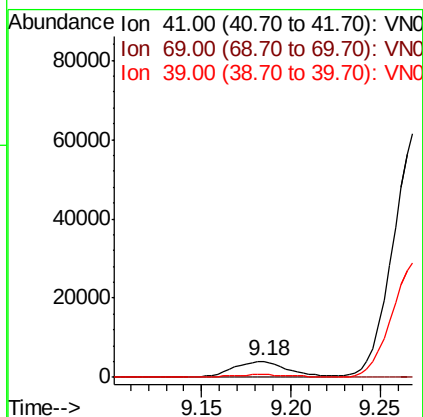
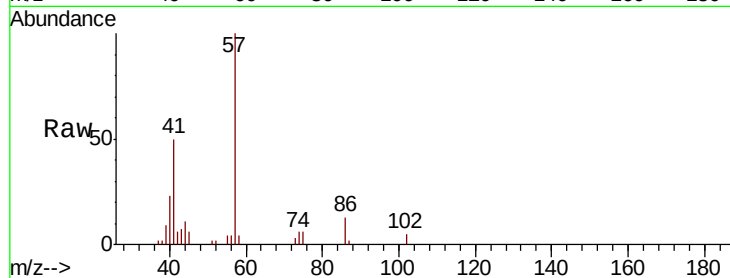




#48
Methvl methacrylate
Concen: 2.112 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

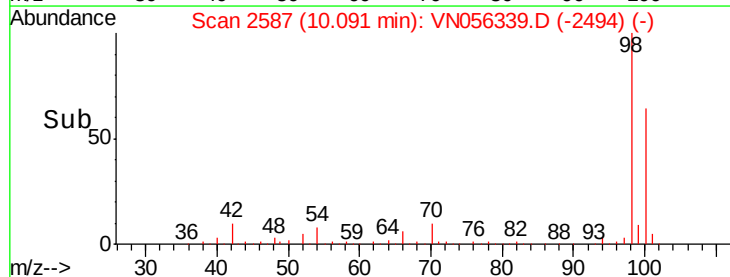
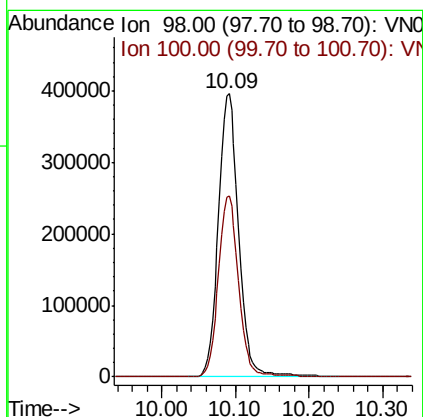
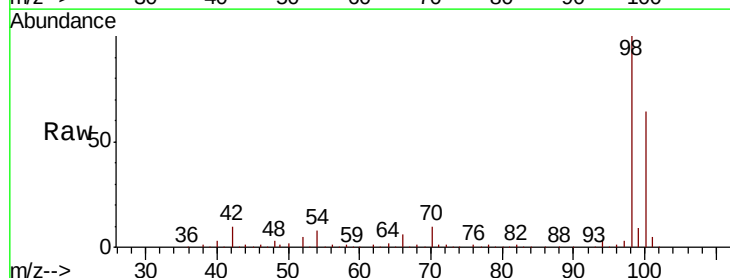
Instrument :
MSVOA_N
ClientSampleId :

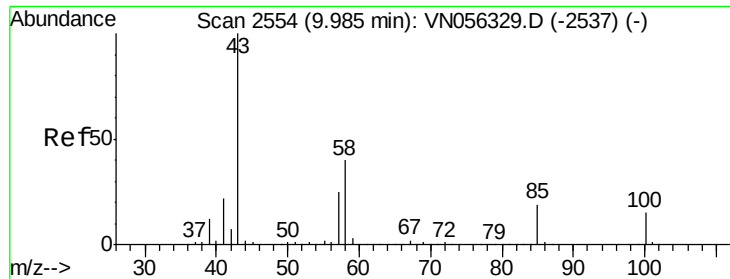
Tot Ion: 41 Resp: 8730
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 19.2 41.7 62.5#



#50
Toluene-d8
Concen: 51.412 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 98 Resp: 756419
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 1.185 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

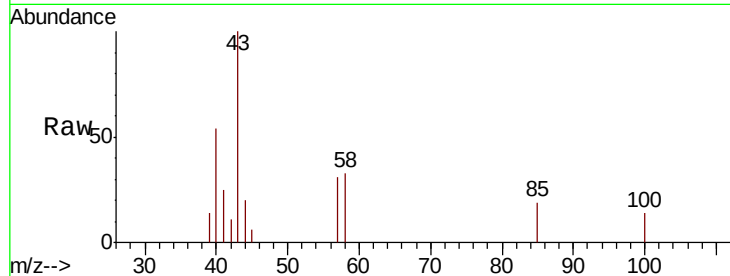
ClientSampleId :

Tot Ion: 43 Resp: 6187

Ion Ratio Lower Upper

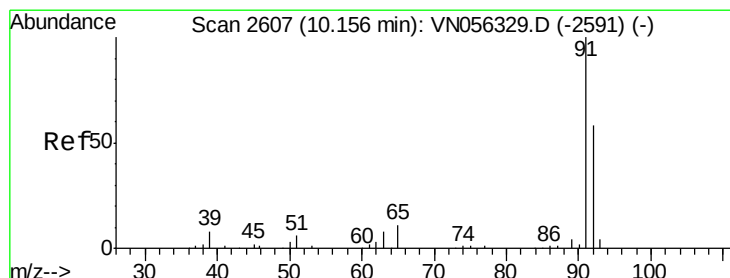
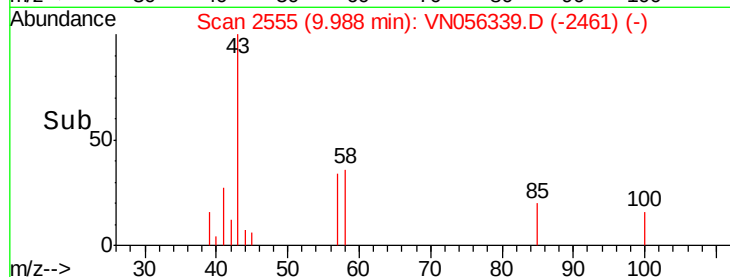
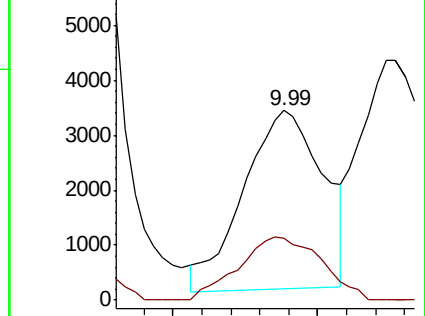
43 100

58 36.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.430 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056339.D

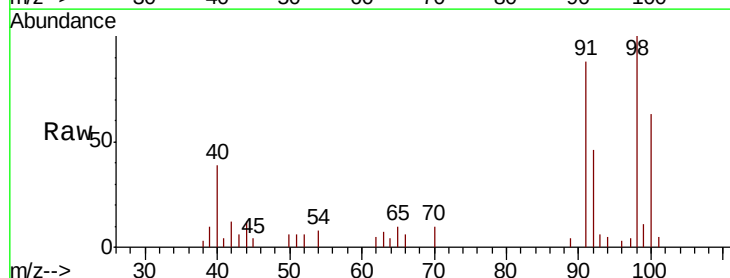
Acq: 17 Jun 2019 14:46

Tgt Ion: 92 Resp: 4300

Ion Ratio Lower Upper

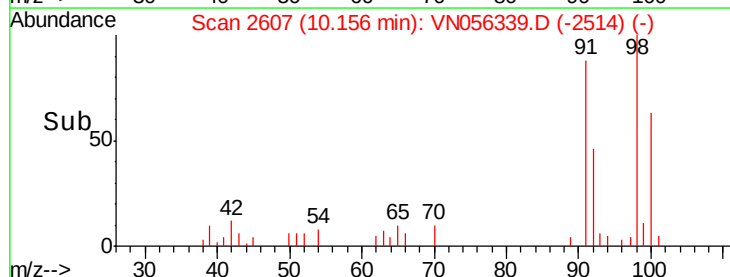
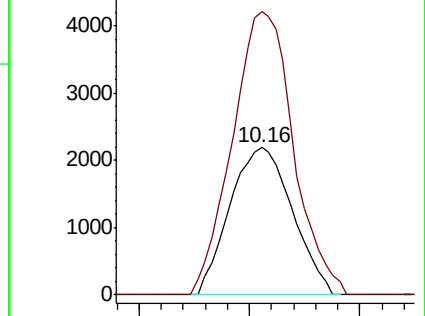
92 100

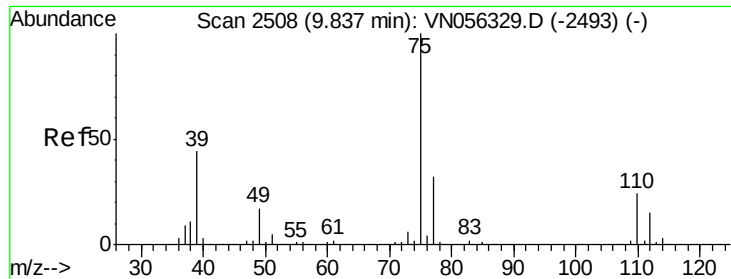
91 188.3 139.1 208.7



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: 7.345 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

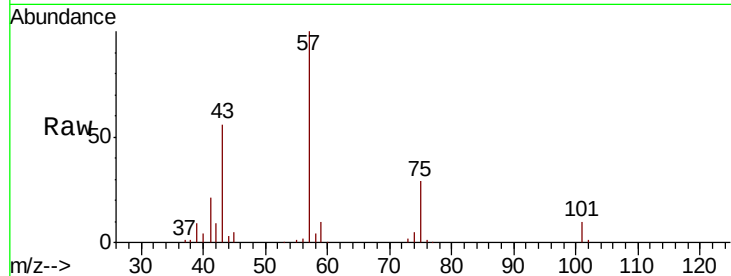
Tot Ion: 75 Resp: 46269

Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

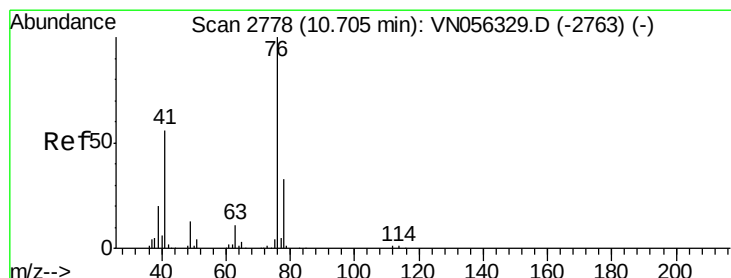
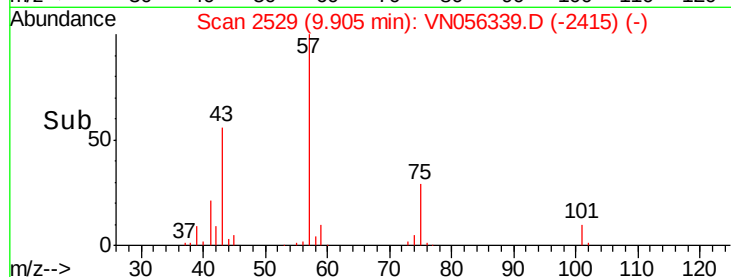
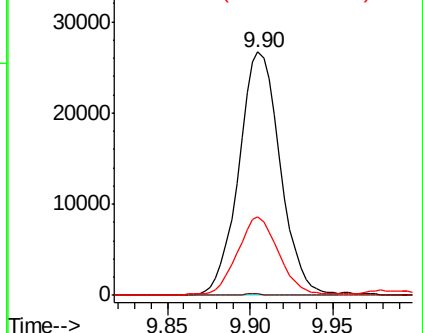
39 31.7 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.458 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056339.D

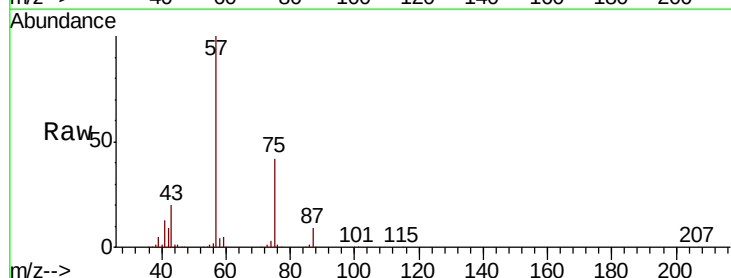
Acq: 17 Jun 2019 14:46

Tgt Ion: 76 Resp: 10098

Ion Ratio Lower Upper

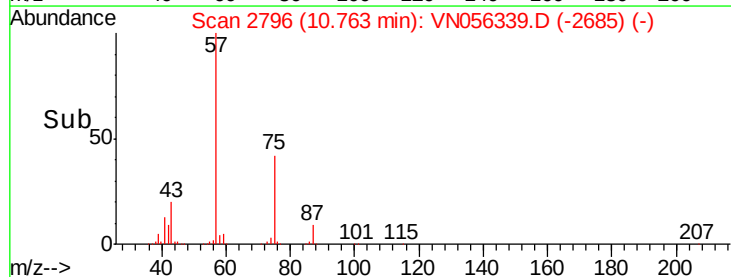
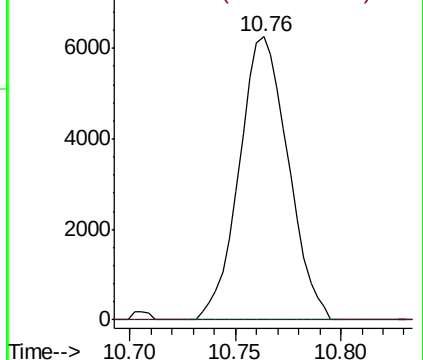
76 100

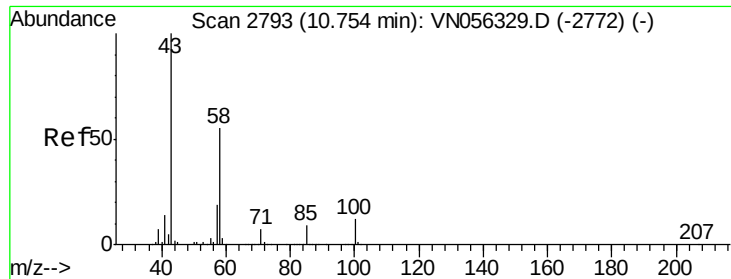
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

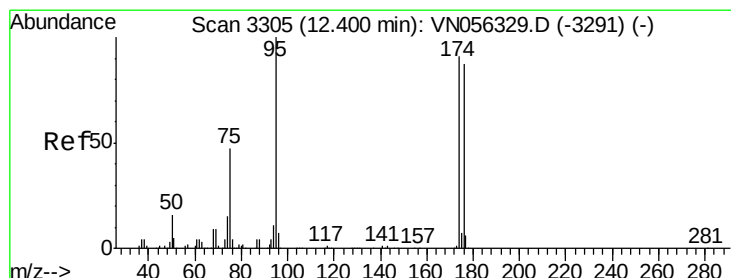
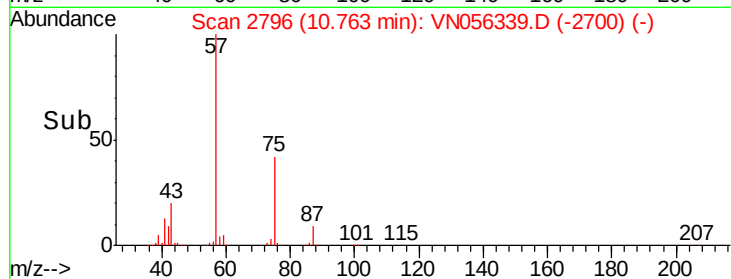
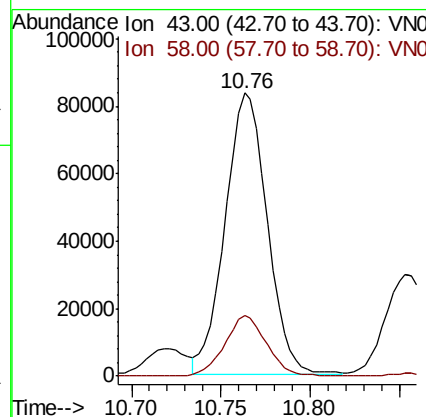
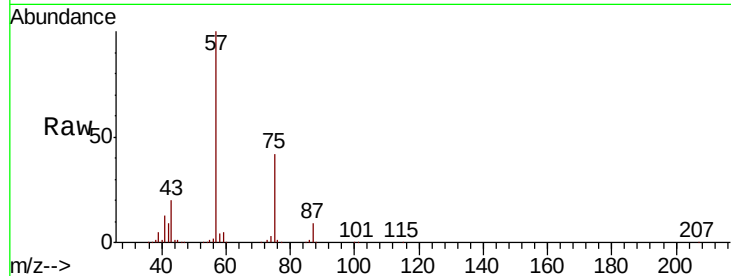




#59
2-Hexanone
Concen: 35.300 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

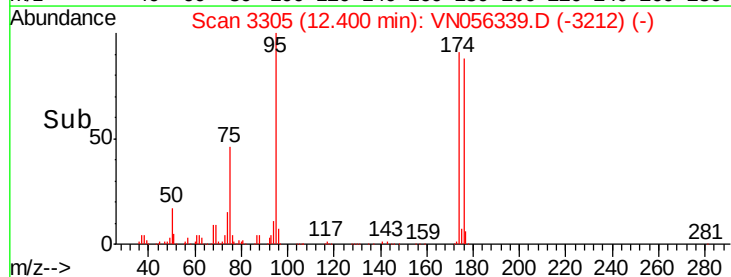
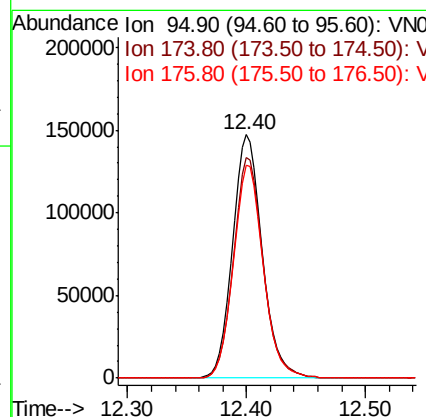
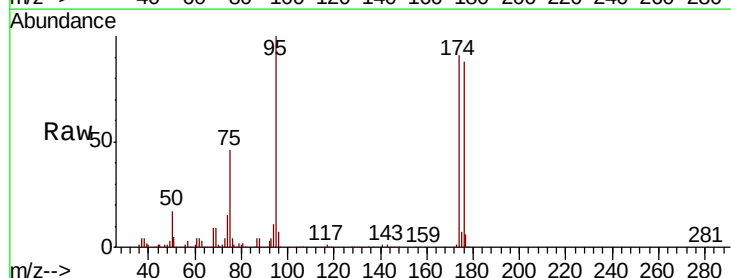
Instrument :
MSVOA_N
ClientSampled :

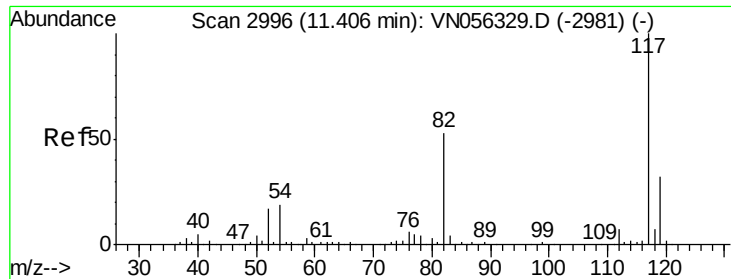
Tot Ion: 43 Resp: 136698
Ion Ratio Lower Upper
43 100
58 21.4 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion: 95 Resp: 254153
Ion Ratio Lower Upper
95 100
174 90.7 0.0 182.6
176 88.0 0.0 176.8

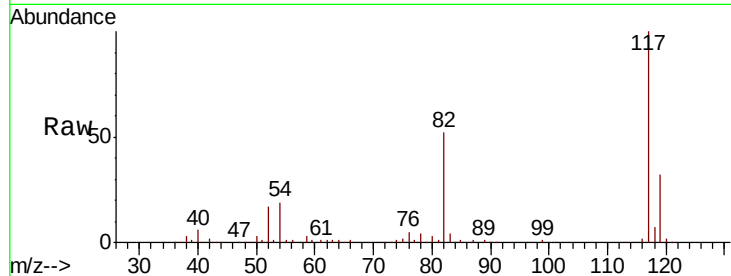




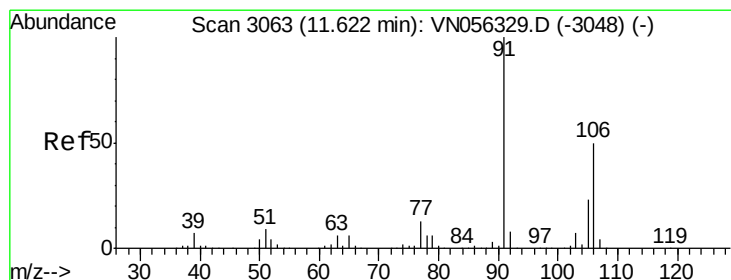
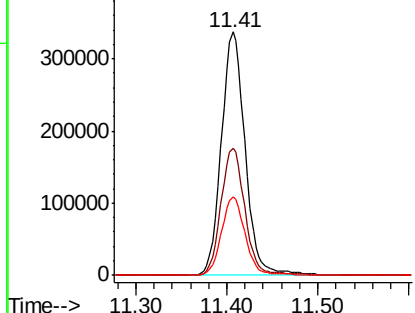
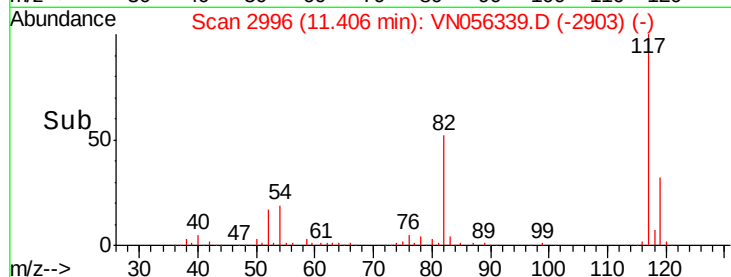
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 612076
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 32.3 26.0 39.0

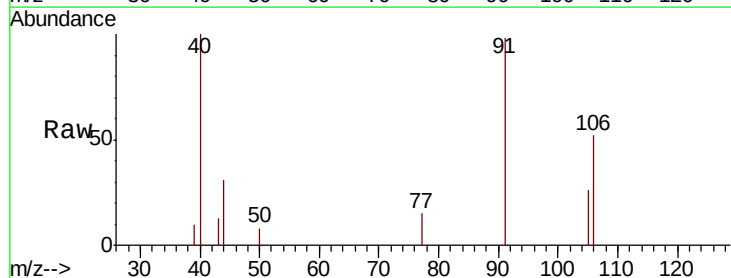


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

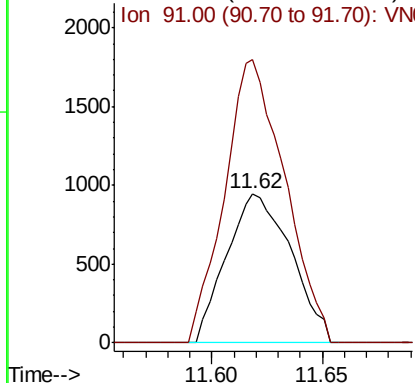
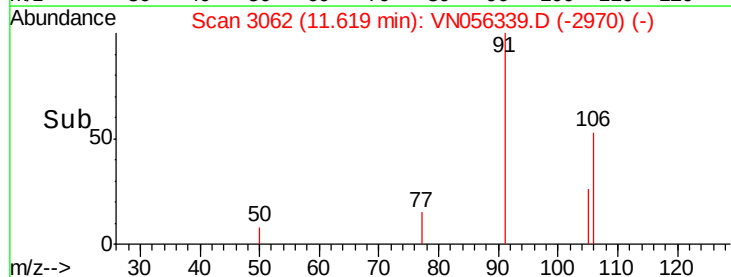


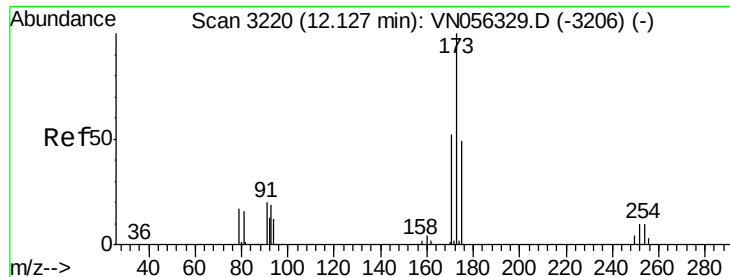
#68
m/p-Xylenes
Concen: 0.241 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056339.D
Acq: 17 Jun 2019 14:46

Tgt Ion:106 Resp: 1922
Ion Ratio Lower Upper
106 100
91 177.5 160.7 241.1



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





#71

Bromoform

Concen: 0.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

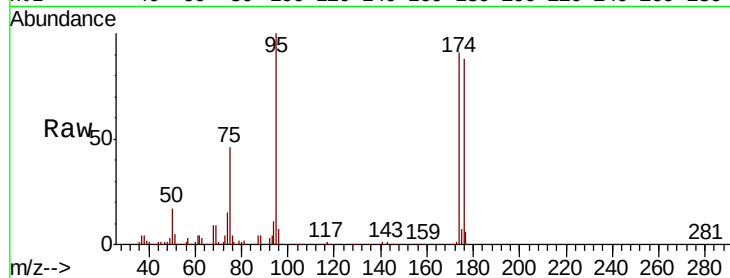
Tot Ion:173 Resp: 1803

Ion Ratio Lower Upper

173 100

175 854.6 24.3 73.0#

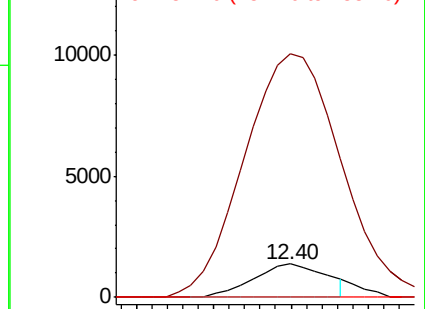
254 0.0 0.0 0.0



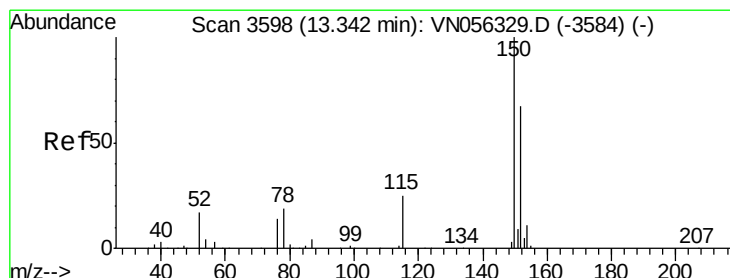
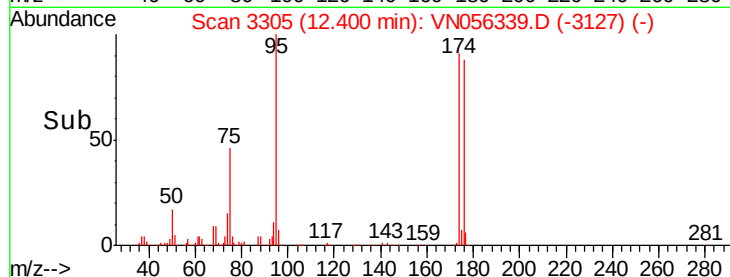
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

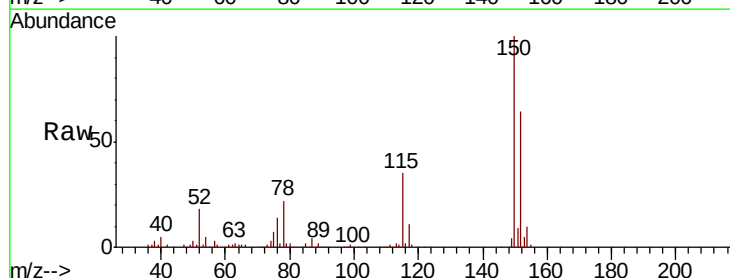
Tgt Ion:152 Resp: 191704

Ion Ratio Lower Upper

152 100

115 53.7 27.8 83.3

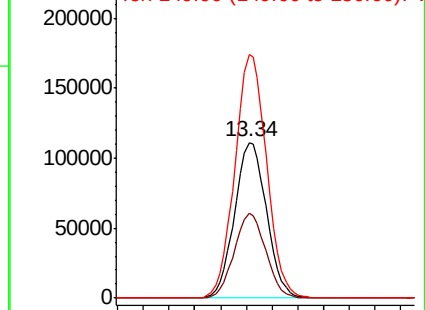
150 155.2 0.0 345.8



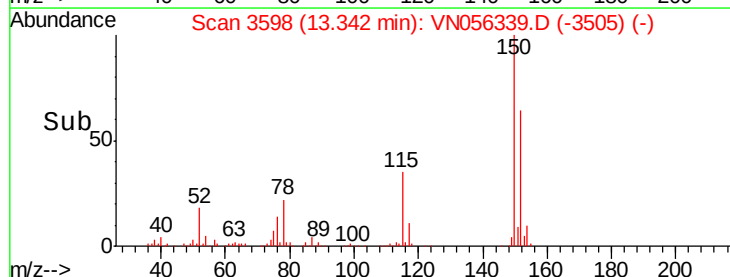
Abundance Ion 151.90 (151.60 to 152.60): V

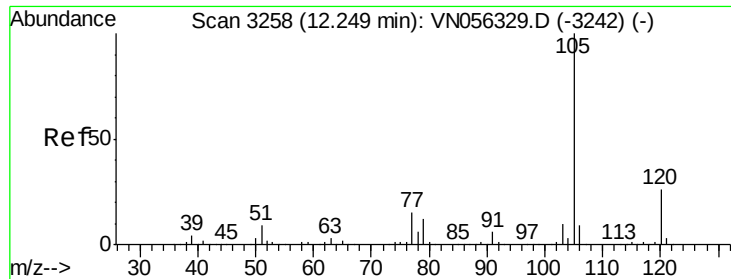
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

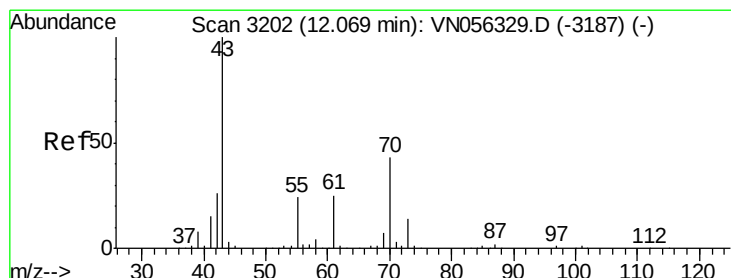
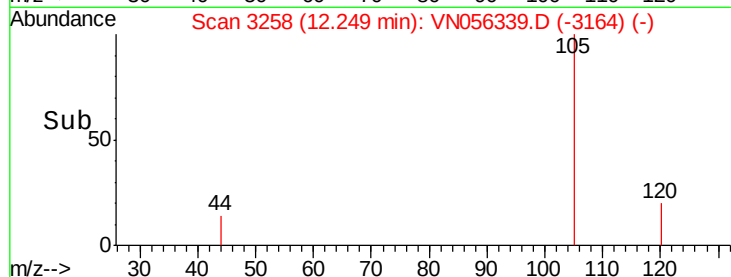
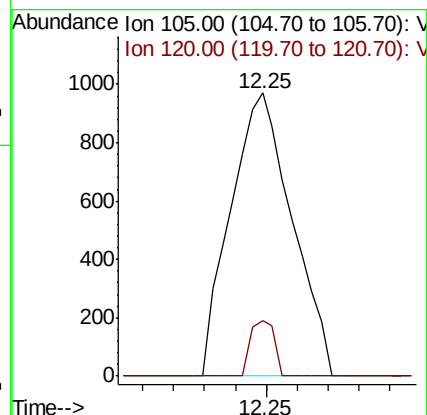
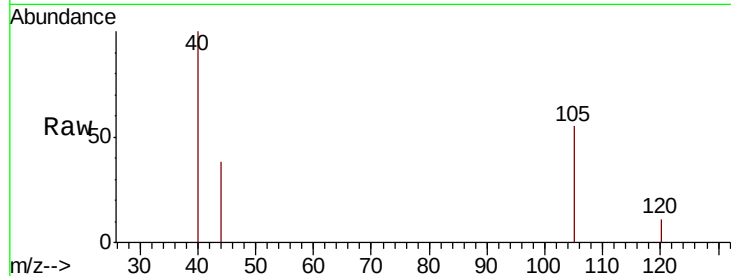
ClientSampled :

Tot Ion: 105 Resp: 1339

Ion Ratio Lower Upper

105 100

120 7.6 13.3 39.8#



#74

N-ethyl acetate

Concen: 0.218 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Tgt Ion: 43 Resp: 1316

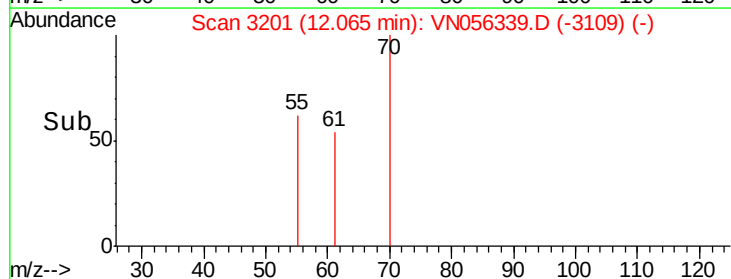
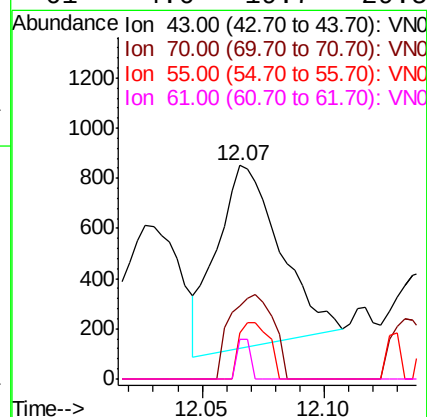
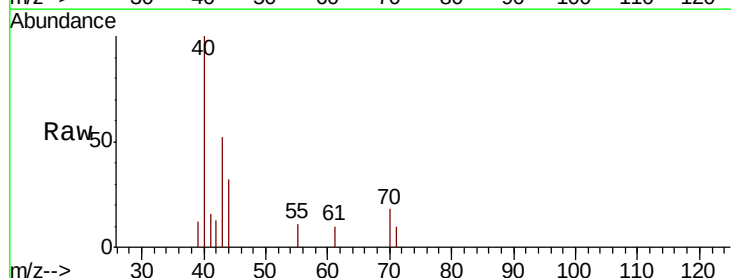
Ion Ratio Lower Upper

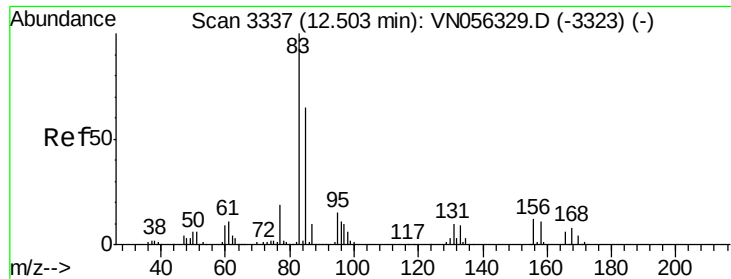
43 100

70 31.5 34.2 51.2#

55 14.4 19.9 29.9#

61 4.6 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

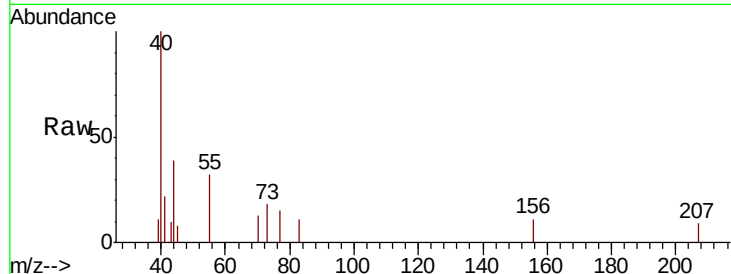
Tot Ion: 83 Resp: 240

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

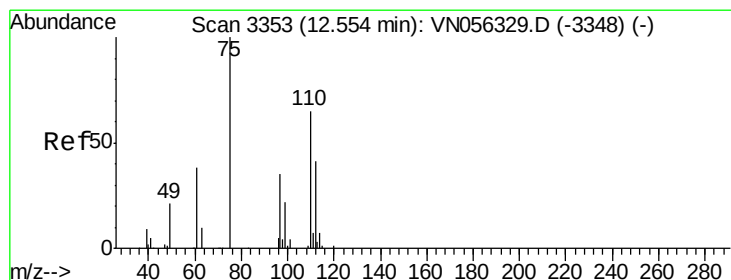
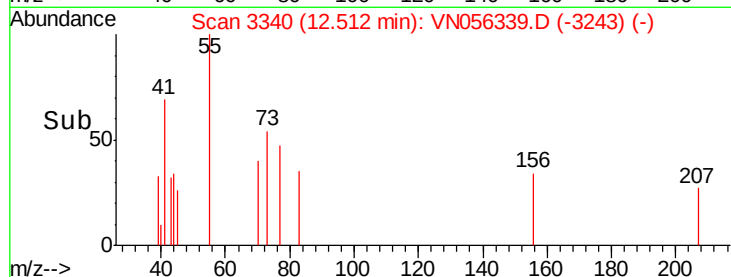
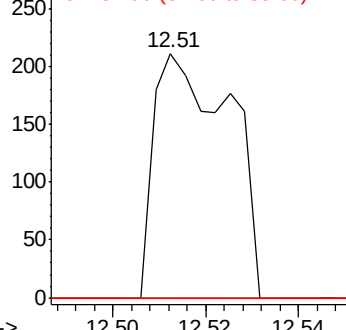
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.582 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056339.D

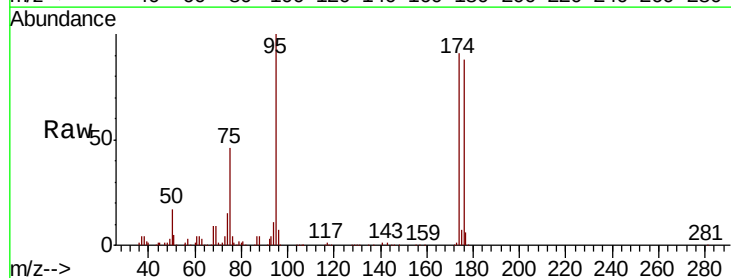
Acq: 17 Jun 2019 14:46

Tgt Ion: 75 Resp: 117067

Ion Ratio Lower Upper

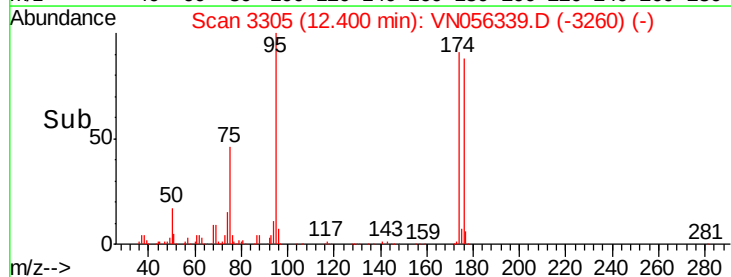
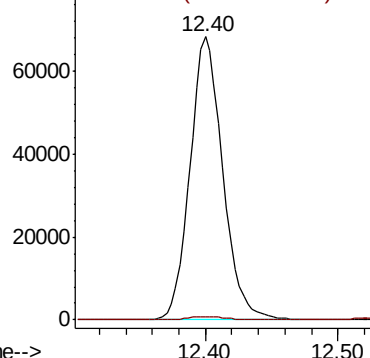
75 100

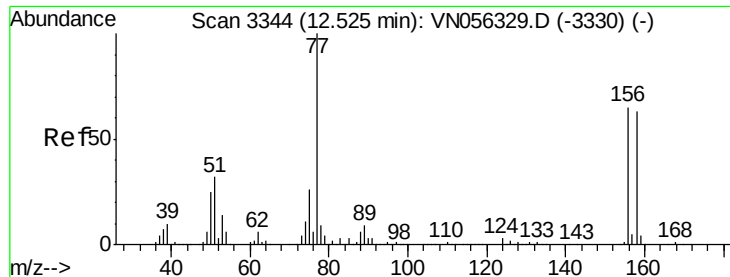
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

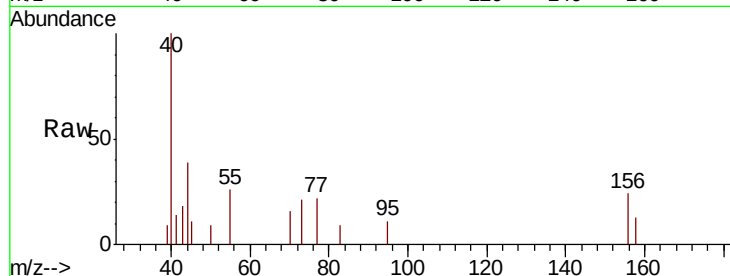
Tot Ion:156 Resp: 494

Ion Ratio Lower Upper

156 100

77 170.2 92.9 278.7

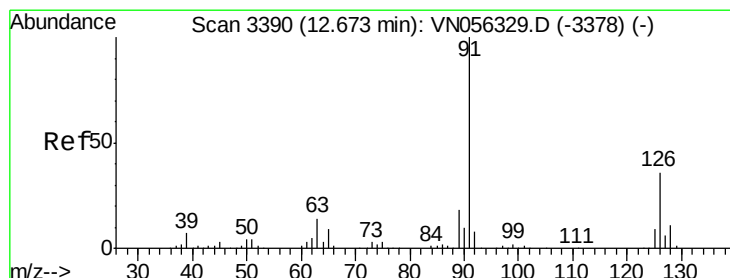
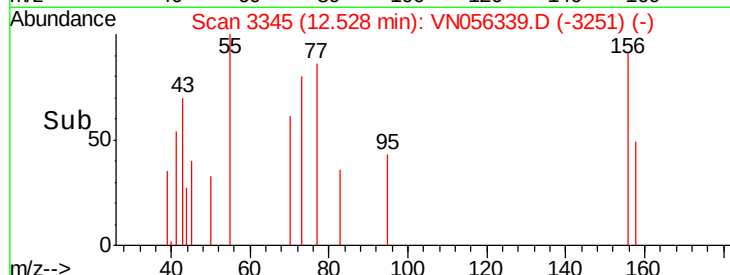
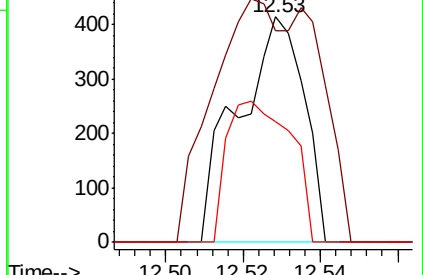
158 60.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN056339.D

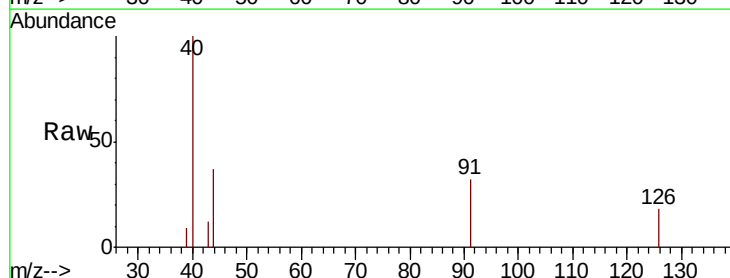
Acq: 17 Jun 2019 14:46

Tgt Ion: 91 Resp: 1030

Ion Ratio Lower Upper

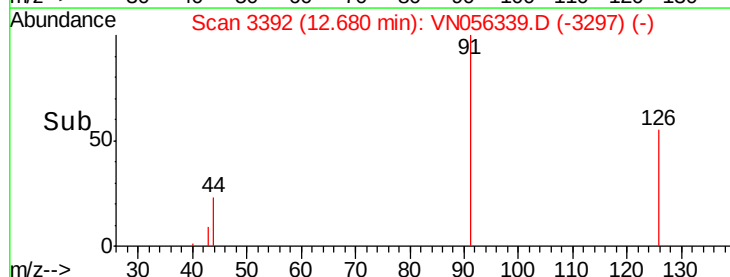
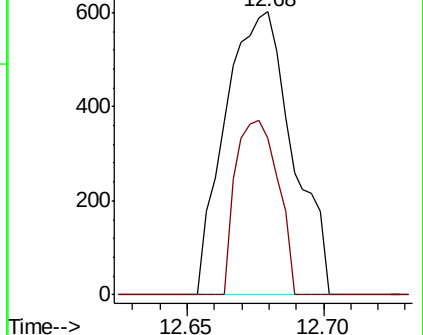
91 100

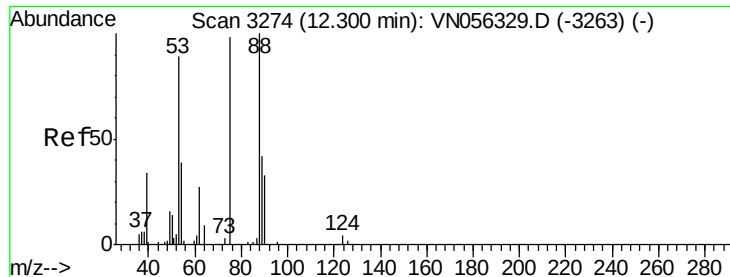
126 38.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 88.802 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

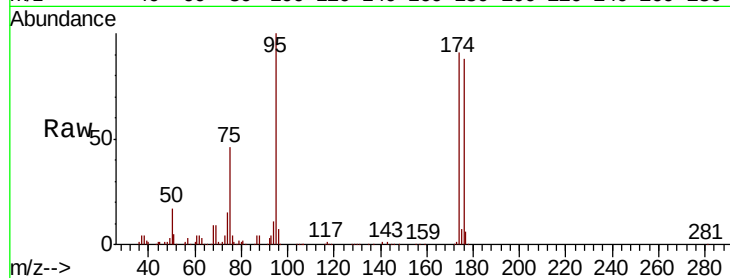
Tot Ion: 75 Resp: 117067

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

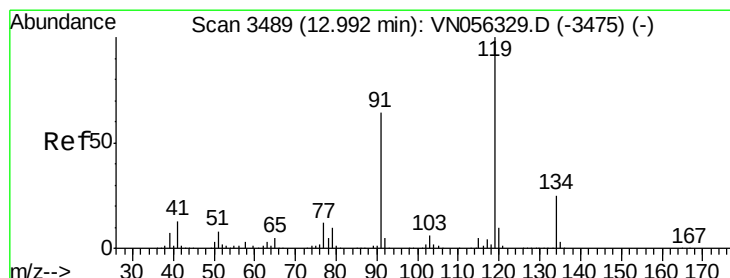
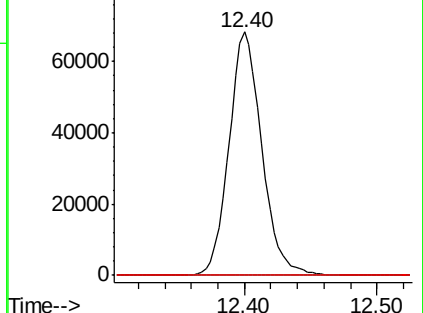
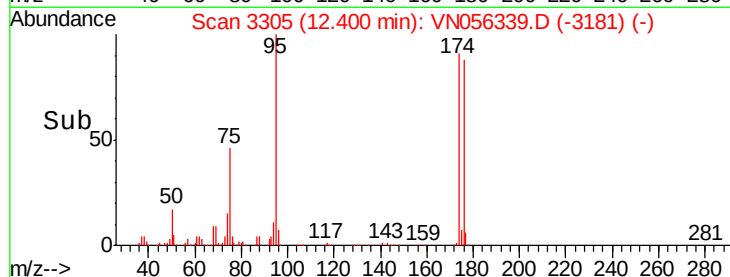
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056339.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN056339.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN056339.D (-3181) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

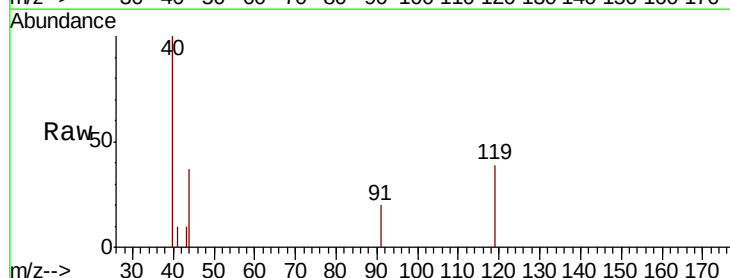
Tgt Ion: 119 Resp: 1129

Ion Ratio Lower Upper

119 100

91 57.3 31.5 94.5

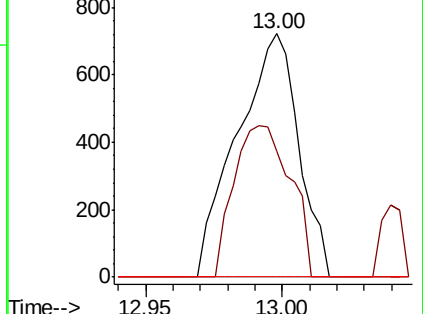
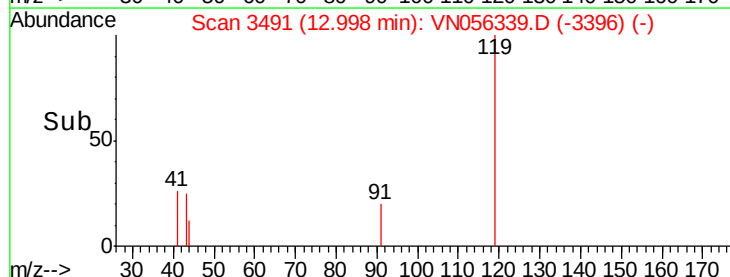
134 0.0 13.6 40.7#

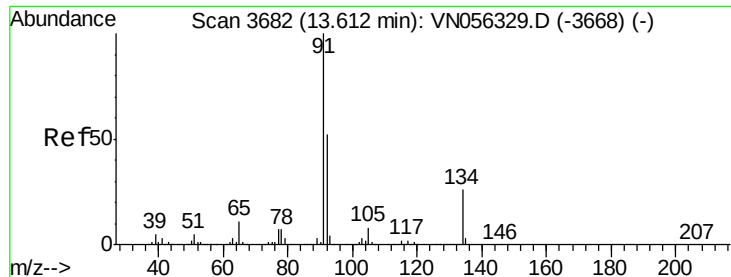


Abundance Ion 119.00 (118.70 to 119.70): VN056339.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN056339.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN056339.D (-3396) (-)





#89

n-Butylbenzene

Concen: 0.277 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

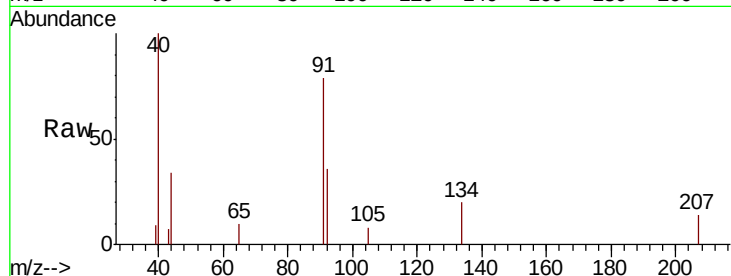
Tot Ion: 91 Resp: 2675

Ion Ratio Lower Upper

91 100

92 46.0 26.0 78.0

134 27.1 13.2 39.5

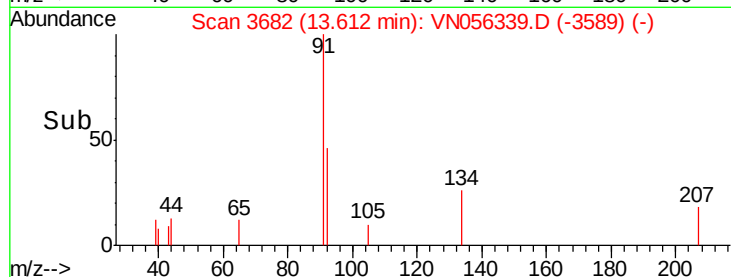


Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056329.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056329.D (-3668) (-)

Time-->

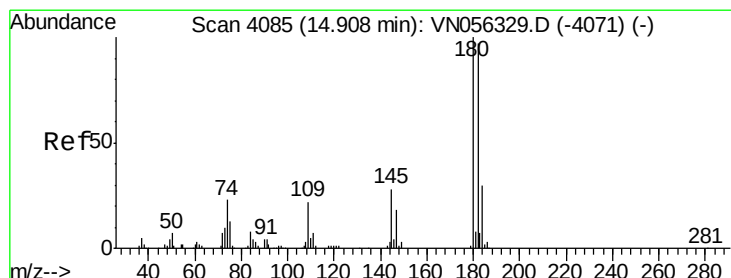


Abundance Ion 91.00 (90.70 to 91.70): VN056339.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN056339.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN056339.D (-3589) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.724 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

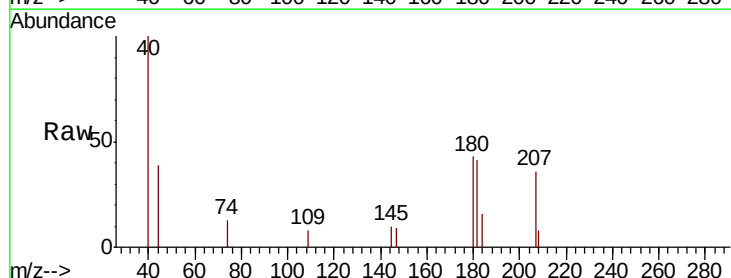
Tgt Ion: 180 Resp: 1554

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.3

145 20.8 14.0 41.9

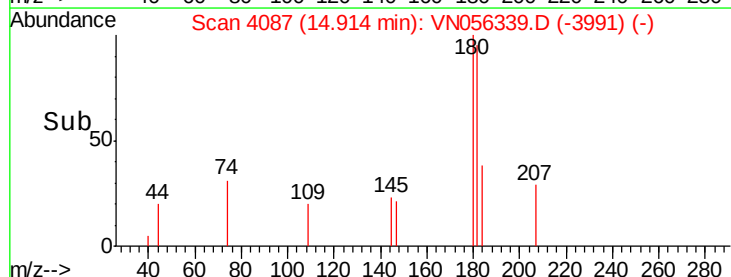


Abundance Ion 179.80 (179.50 to 180.50): VN056329.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN056329.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN056329.D (-4071) (-)

Time-->

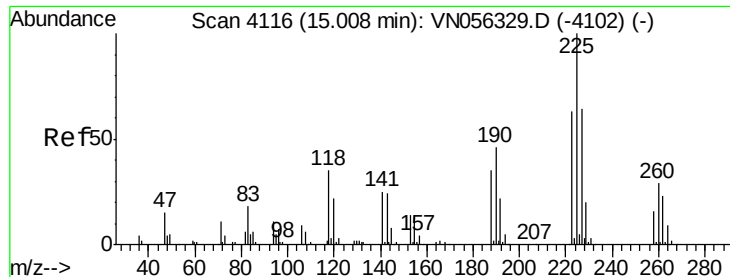


Abundance Ion 179.80 (179.50 to 180.50): VN056339.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN056339.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN056339.D (-3991) (-)

Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

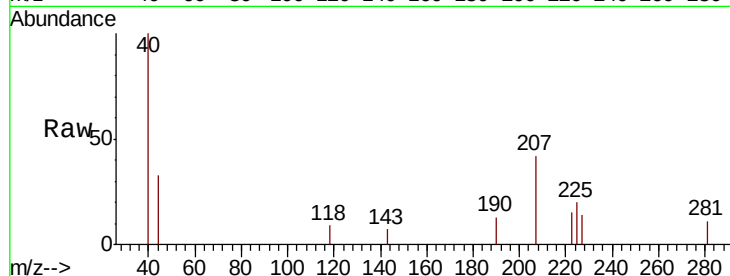
Tot Ion:225 Resp: 542

Ion Ratio Lower Upper

225 100

223 73.1 31.2 93.6

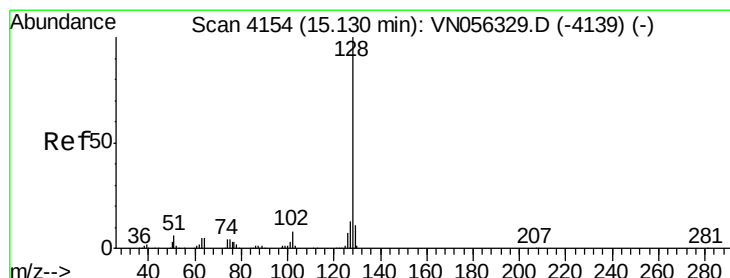
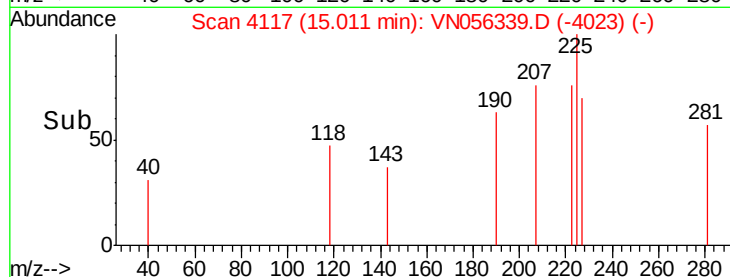
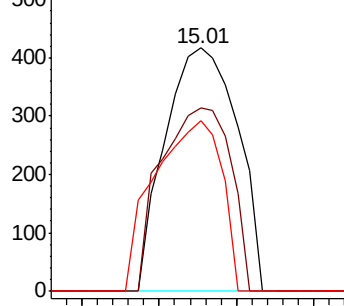
227 65.3 31.7 95.1



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: 5.223 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056339.D

Acq: 17 Jun 2019 14:46

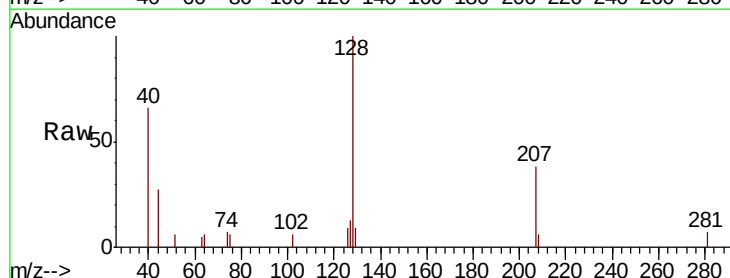
Tgt Ion:128 Resp: 5436

Ion Ratio Lower Upper

128 100

127 10.4 10.6 15.8#

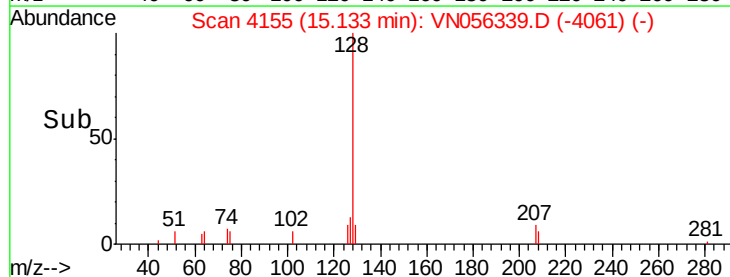
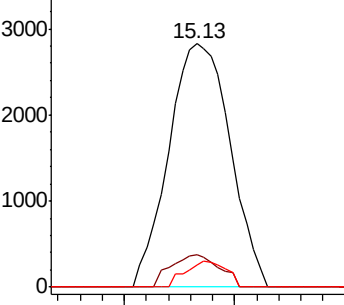
129 7.1 8.6 12.8#

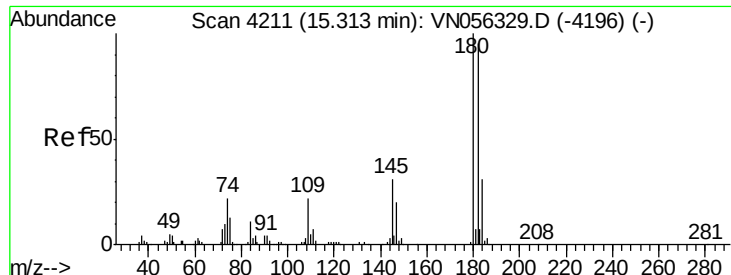


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.314 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056339.D
 Acq: 17 Jun 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.3	47.1	141.4
145	28.9	14.9	44.9

