

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057634.D
 Acq On : 1 Sep 2019 10:58
 Operator : JC/SP
 Sample : VN0902MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

Quant Time: Sep 02 01:50:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	340726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	584664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	125123	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	286396	37.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.42%	
35) Dibromofluoromethane	7.58	113	183073	35.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.72%	
50) Toluene-d8	10.08	98	727174	37.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.20%	
62) 4-Bromofluorobenzene	12.40	95	206122	27.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.30%	

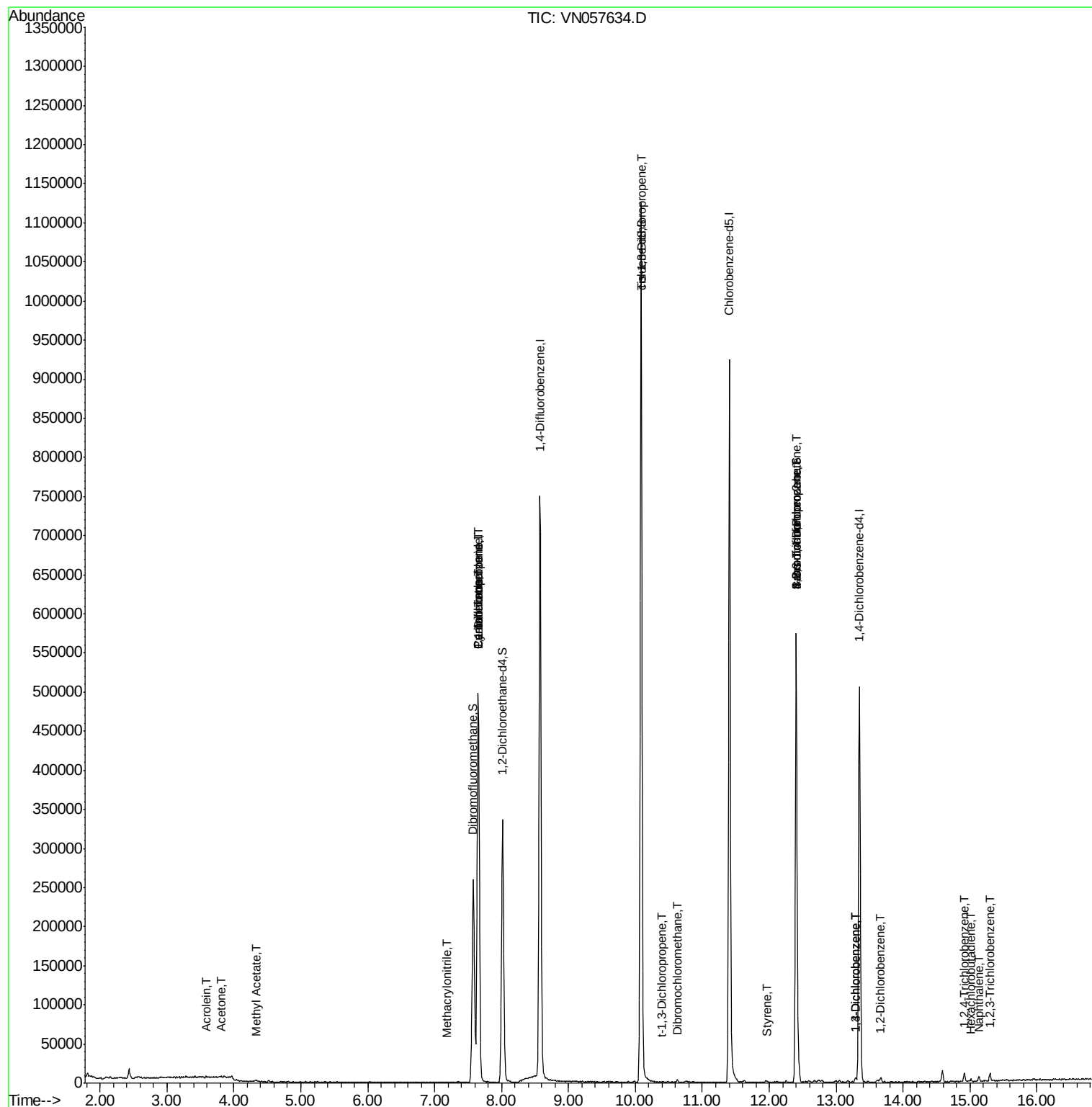
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	255	0.794	ug/l #	1
16) Acetone	3.81	43	808	0.375	ug/l #	89
18) Methyl Acetate	4.33	43	2922	0.395	ug/l #	57
31) Cyclohexane	7.65	56	11834	1.161	ug/l #	29
36) 1,1-Dichloropropene	7.65	75	33879	4.371	ug/l #	52
38) Carbon Tetrachloride	7.65	117	38701	5.578	ug/l #	13
41) Methacrylonitrile	7.18	41	182	2.325	ug/l #	21
53) t-1,3-Dichloropropene	10.39	75	72	3.228	ug/l #	45
54) cis-1,3-Dichloropropene	10.09	75	33	1.816	ug/l #	58
60) Dibromochloromethane	10.63	129	608	3.647	ug/l #	11
70) Styrene	11.97	104	425	2.611	ug/l #	41
71) Bromoform	12.40	173	1823	6.731	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	122886	37.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	122886	127.983	ug/l #	1
87) 1,3-Dichlorobenzene	13.29	146	2042	0.466	ug/l	71
88) 1,4-Dichlorobenzene	13.29	146	2042	0.483	ug/l	70
91) 1,2-Dichlorobenzene	13.66	146	2600	0.622	ug/l	74
93) 1,2,4-Trichlorobenzene	14.92	180	3197	9.766	ug/l	93
94) Hexachlorobutadiene	15.01	225	545	0.380	ug/l #	71
95) Naphthalene	15.13	128	4591	7.639	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2606	8.977	ug/l	93

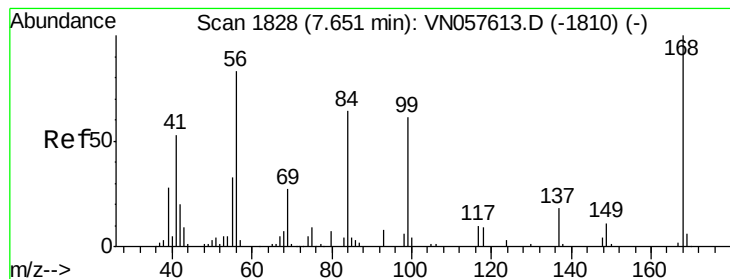
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

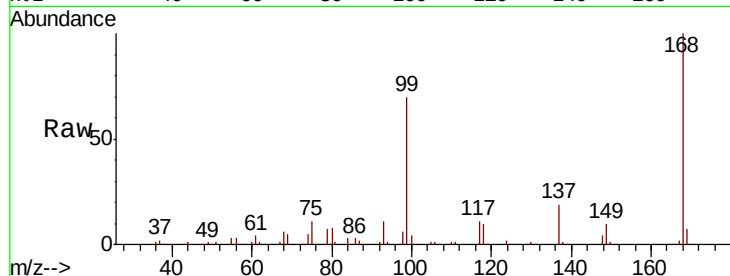
VN0902MBL01

Tgt Ion:168 Resp: 340726

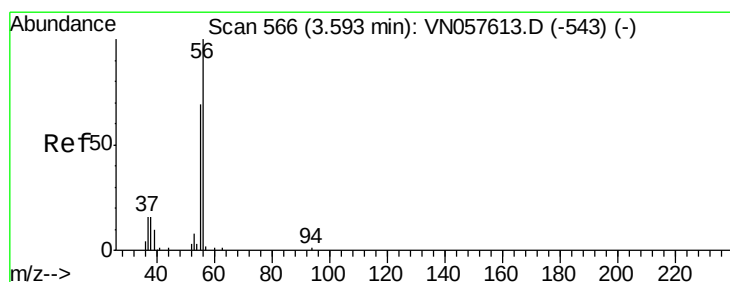
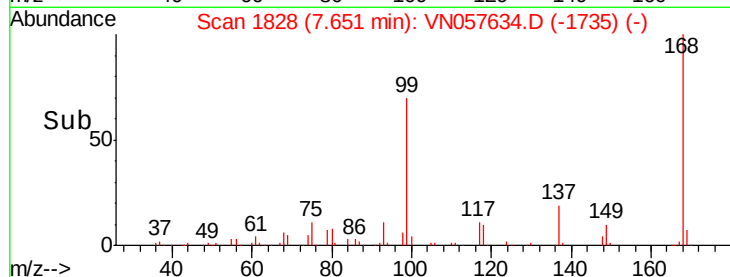
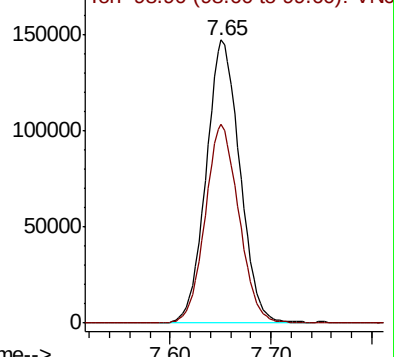
Ion Ratio Lower Upper

168 100

99 70.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)



#13

Acrolein

Concen: 0.794 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN057634.D

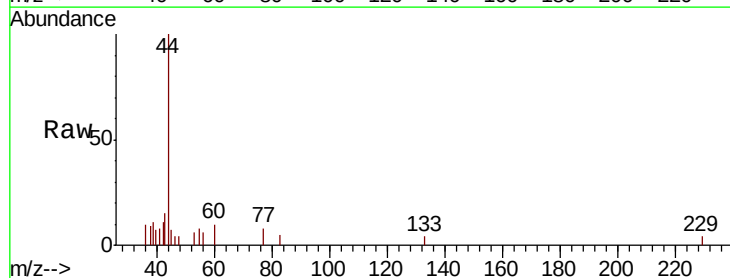
Acq: 1 Sep 2019 10:58

Tgt Ion: 56 Resp: 255

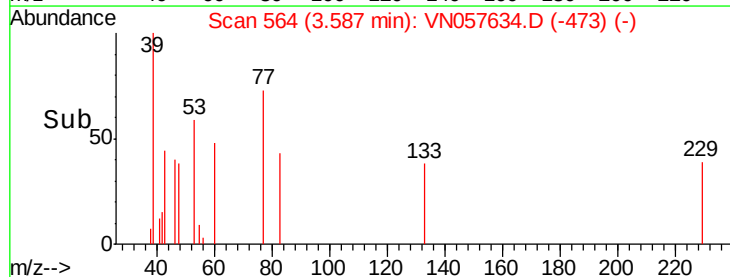
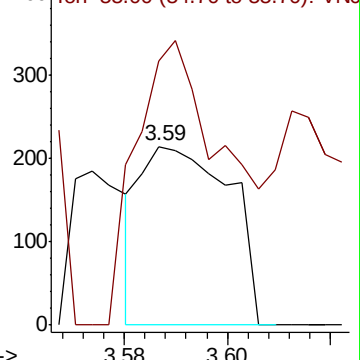
Ion Ratio Lower Upper

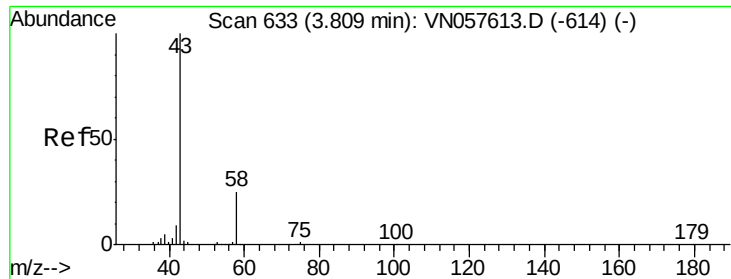
56 100

55 162.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN057613.D (-543) (-)





#16

Acetone

Concen: 0.375 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

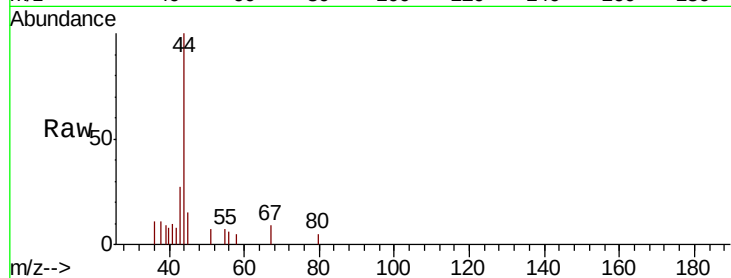
VN0902MBL01

Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

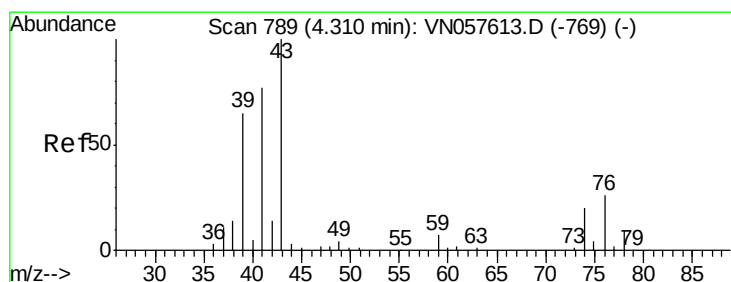
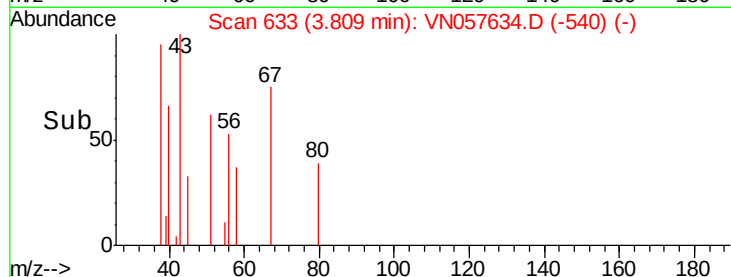
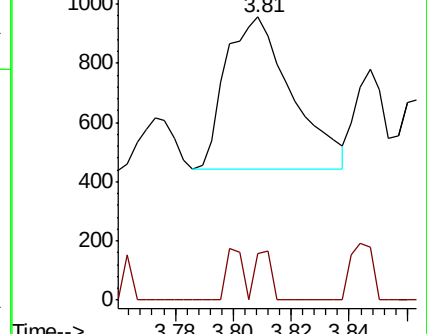
43 100

58 30.6 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.395 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN057634.D

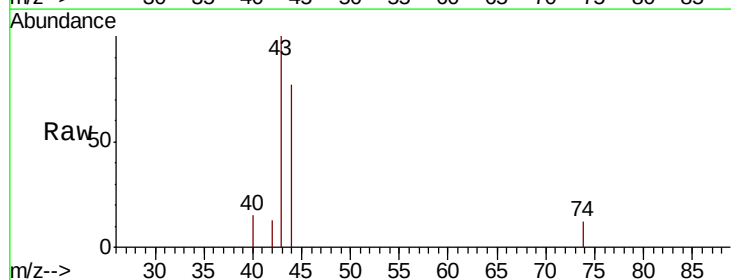
Acq: 1 Sep 2019 10:58

Tgt Ion: 43 Resp: 2922

Ion Ratio Lower Upper

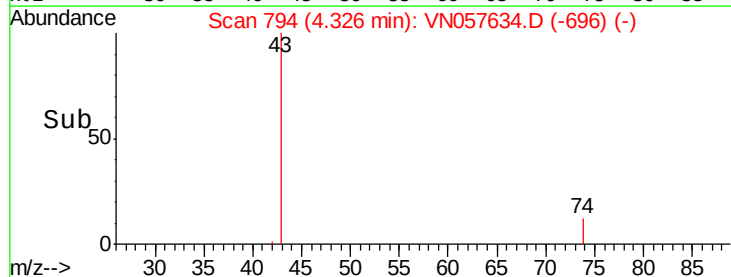
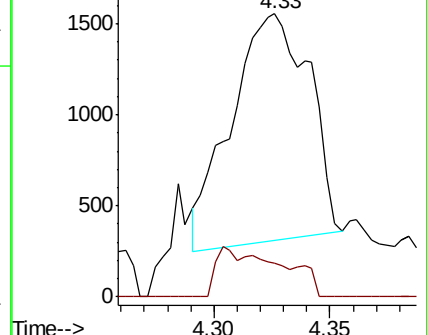
43 100

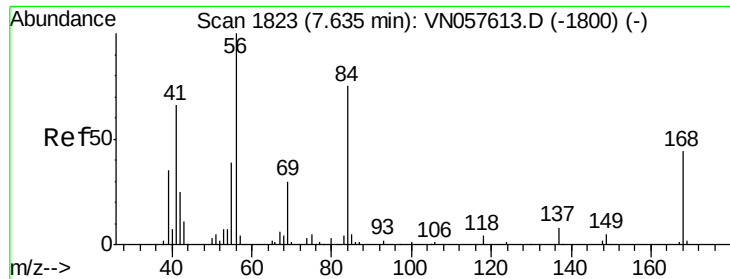
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

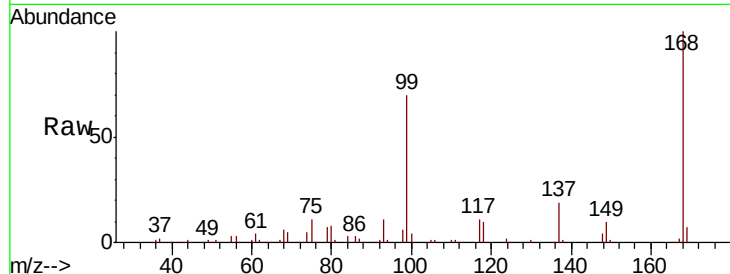




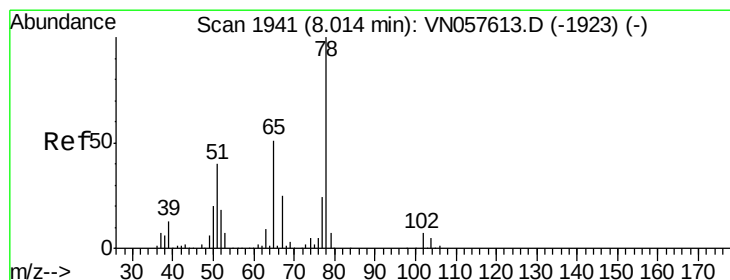
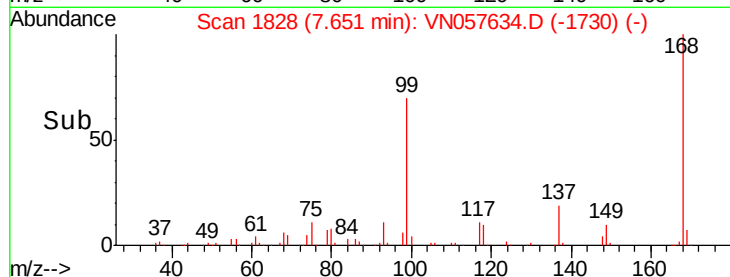
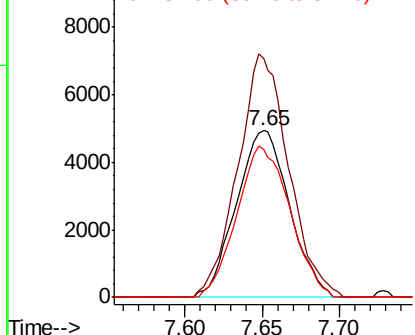
#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057634.D
Acq: 1 Sep 2019 10:58

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBL01

Tgt Ion: 56 Resp: 11834
Ion Ratio Lower Upper
56 100
69 143.3 24.4 36.6#
84 88.9 59.9 89.9

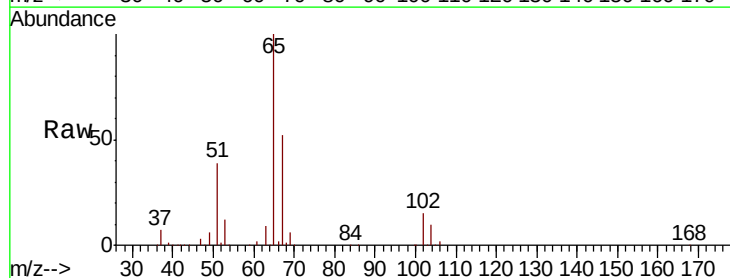


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

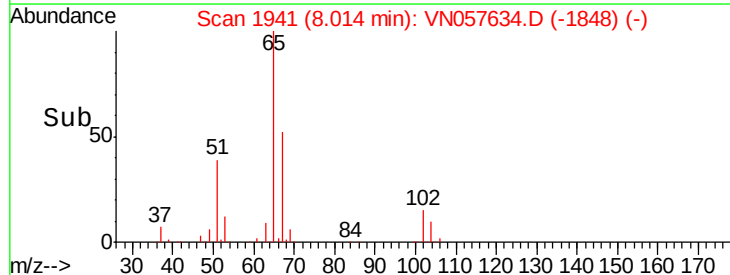
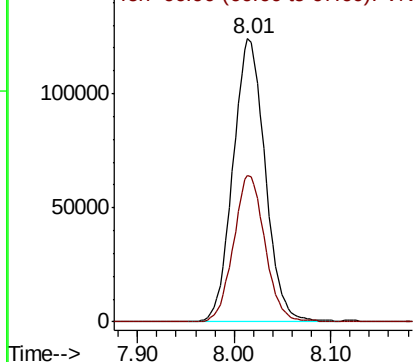


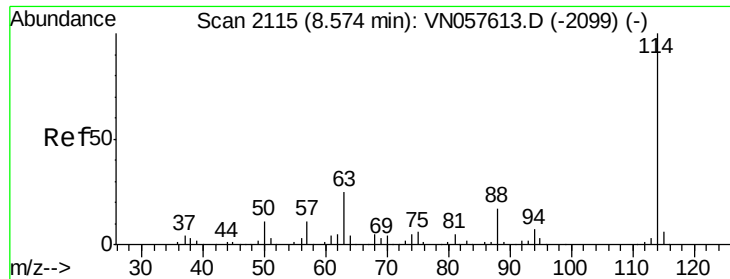
#33
1,2-Dichloroethane-d4
Concen: 37.209 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN057634.D
Acq: 1 Sep 2019 10:58

Tgt Ion: 65 Resp: 286396
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

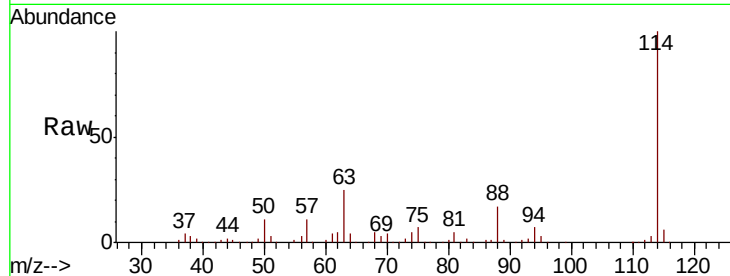




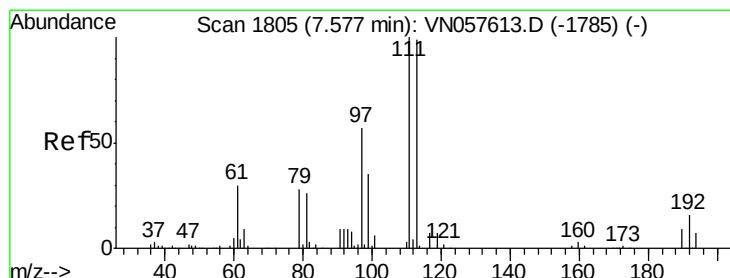
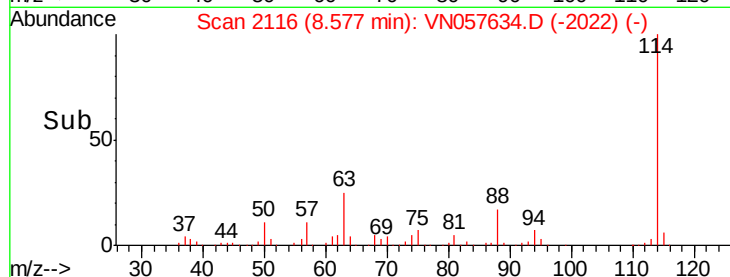
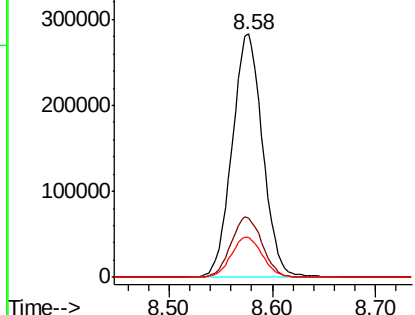
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

Tgt Ion:114 Resp: 584664
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.0
 88 16.5 0.0 33.0

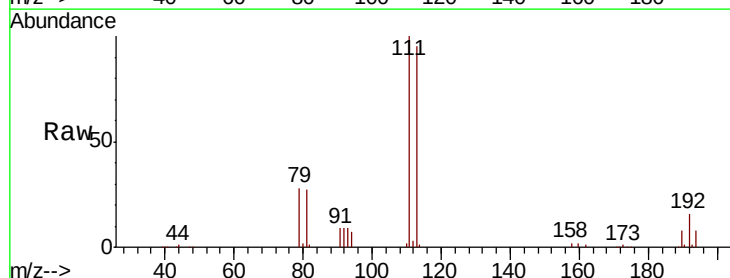


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

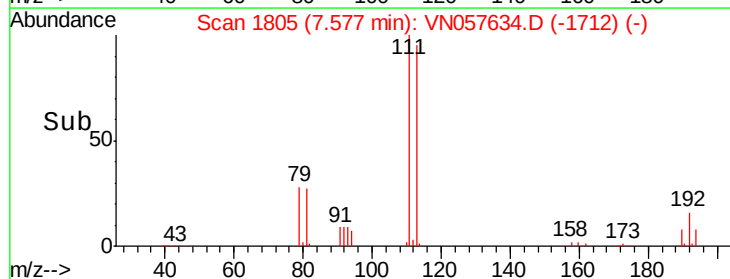
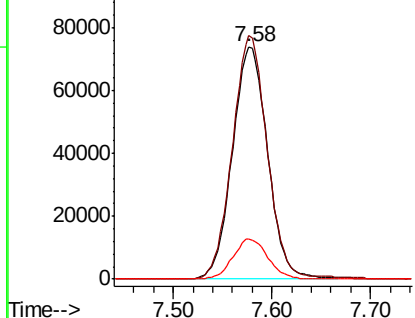


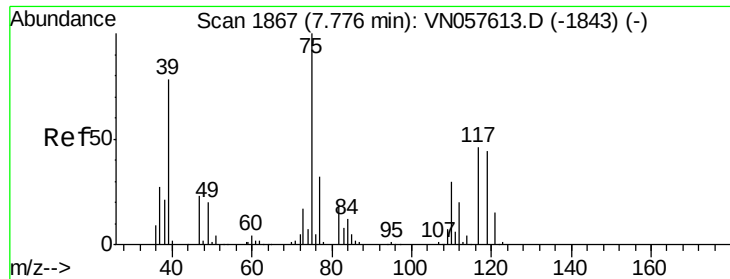
#35
 Dibromofluoromethane
 Concen: 35.856 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion:113 Resp: 183073
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.3 121.9
 192 17.1 13.5 20.3



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

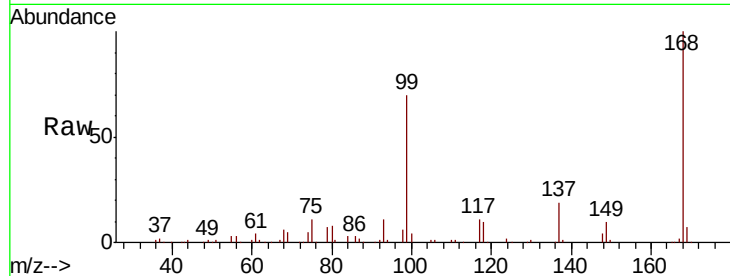




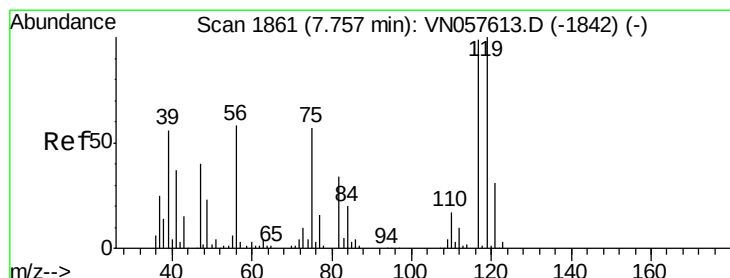
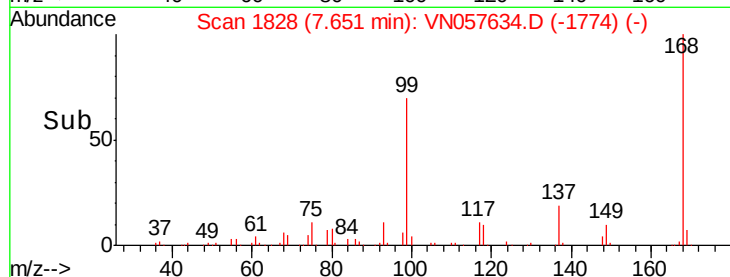
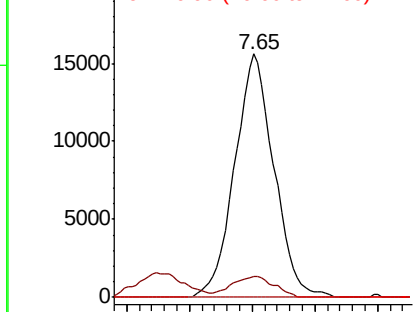
#36
 1,1-Dichloropropene
 Concen: 4.371 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Instrument :
 MSVOA_N
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 VN0902MBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.6	46.8#
77	0.0	24.9	37.3#

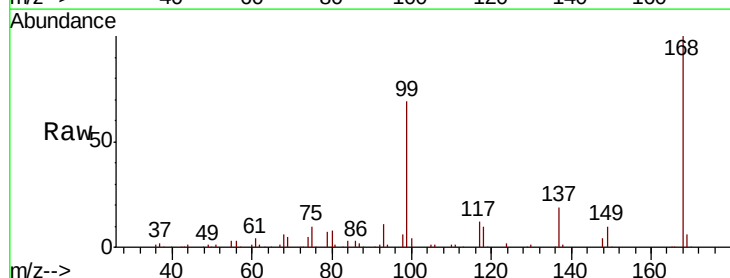


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

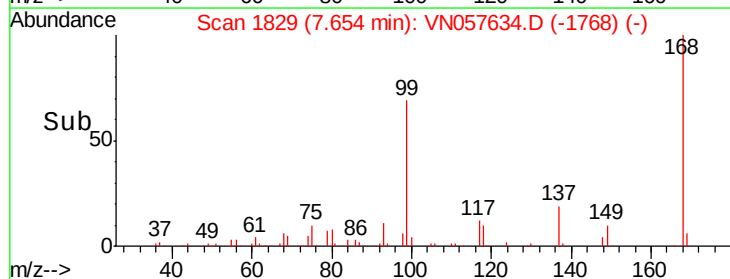
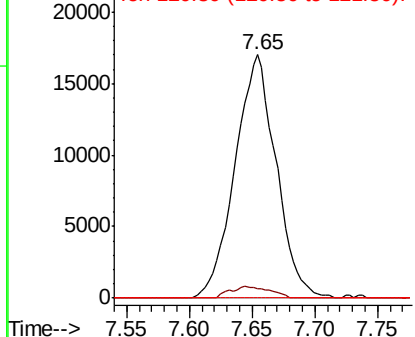


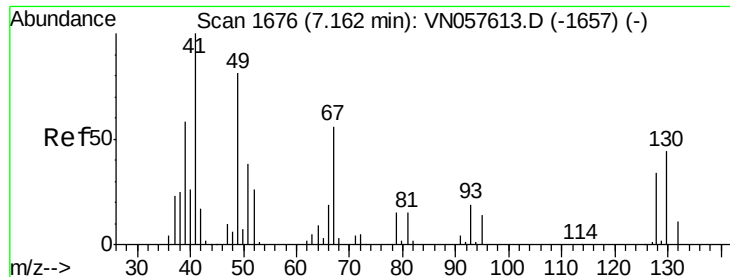
#38
 Carbon Tetrachloride
 Concen: 5.578 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	80.6	120.8#
121	0.0	25.1	37.7#



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: 2.325 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.02 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampled :

VN0902MBL01

Tgt Ion: 41 Resp: 182

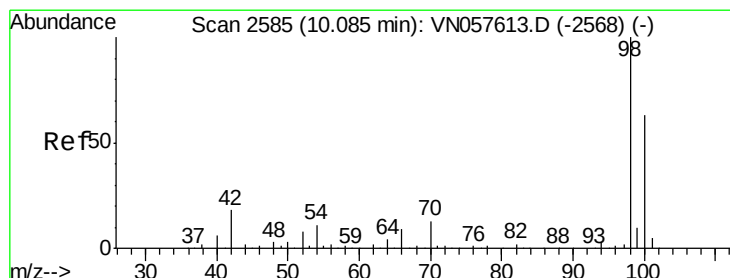
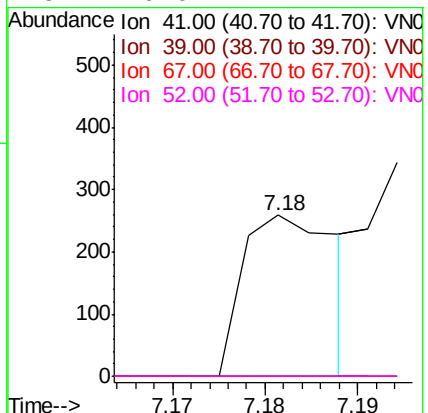
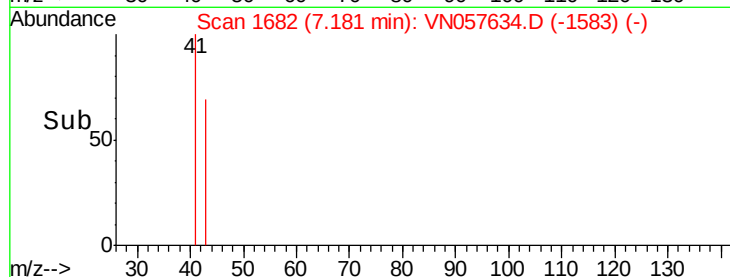
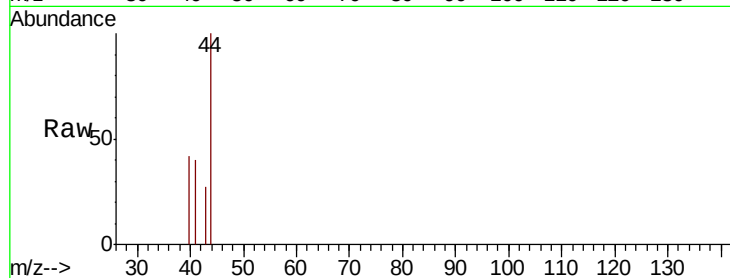
Ion Ratio Lower Upper

41 100

39 0.0 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#



#50

Toluene-d8

Concen: 37.096 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057634.D

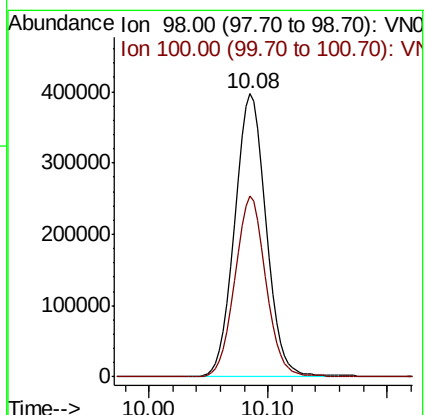
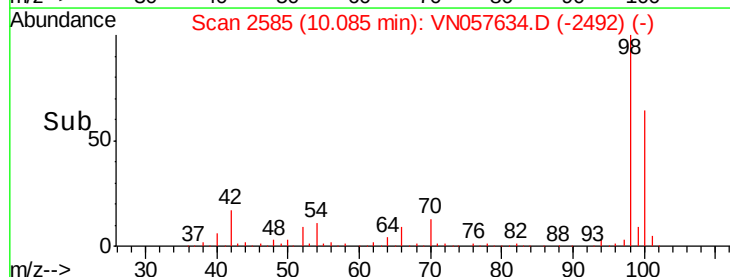
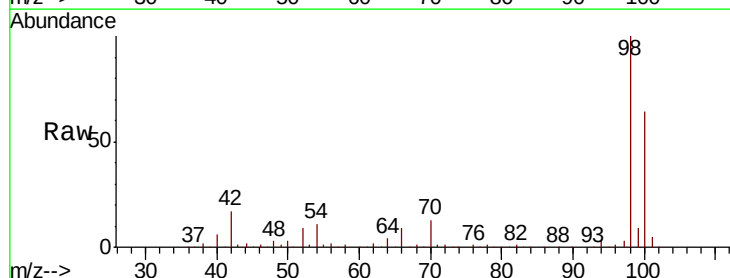
Acq: 1 Sep 2019 10:58

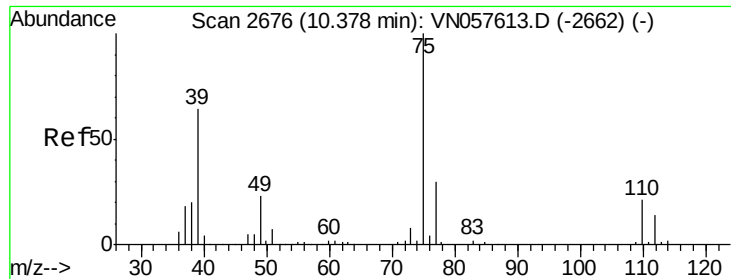
Tgt Ion: 98 Resp: 727174

Ion Ratio Lower Upper

98 100

100 63.0 49.8 74.8

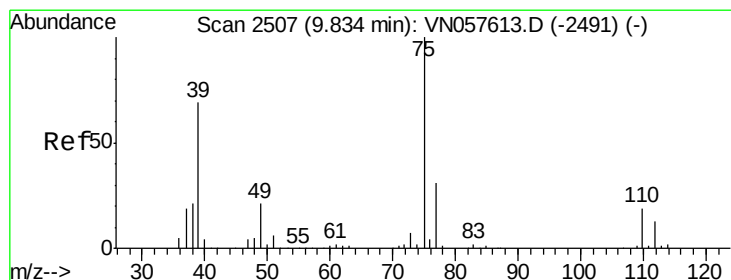
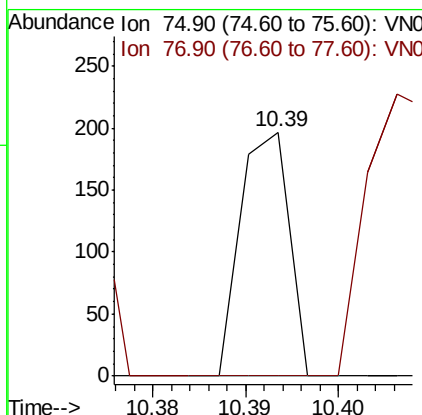
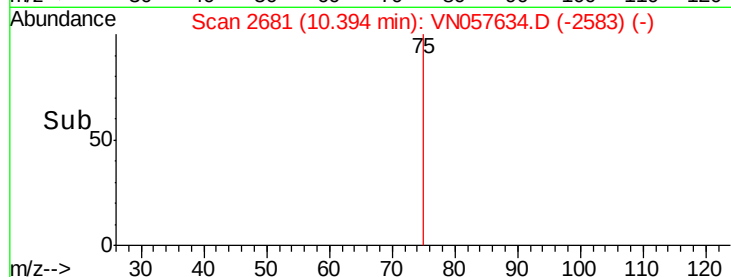
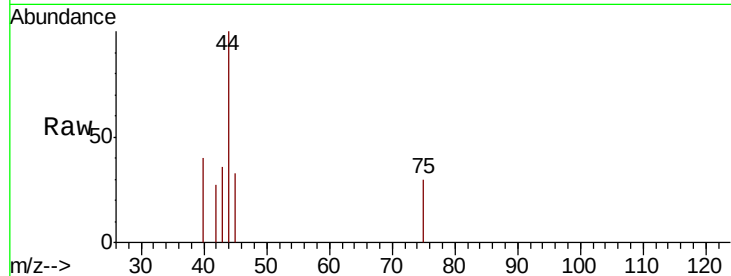




#53
 t-1,3-Dichloropropene
 Concen: 3.228 ug/l
 RT: 10.39 min Scan# 2681
 Delta R.T. 0.02 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

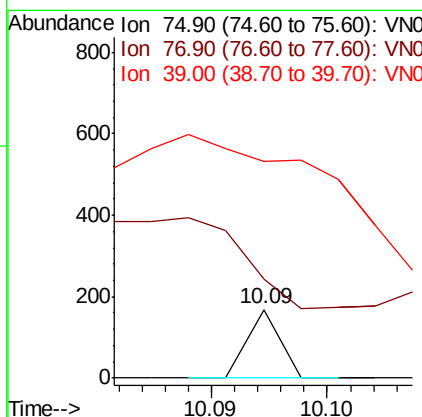
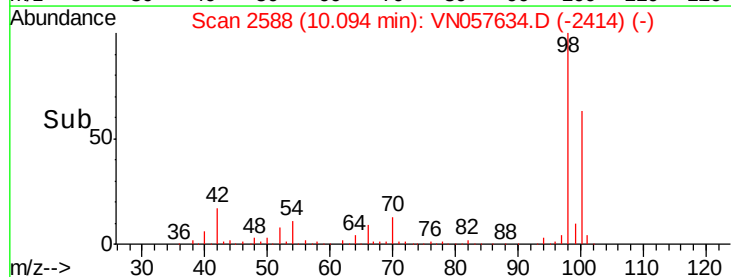
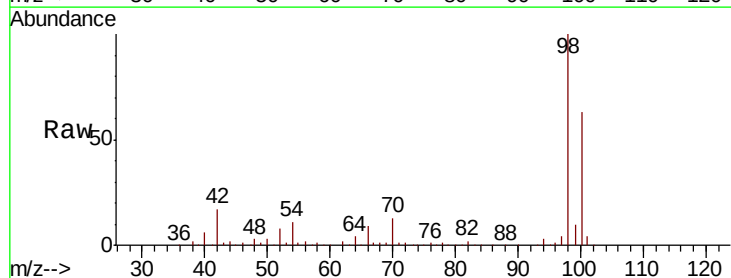
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

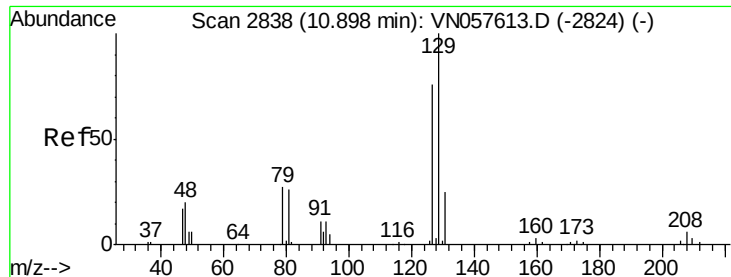
Tgt Ion: 75 Resp: 72
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#



#54
 cis-1,3-Dichloropropene
 Concen: 1.816 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. 0.26 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion: 75 Resp: 33
 Ion Ratio Lower Upper
 75 100
 77 40.8 24.8 37.2#
 39 25.4 55.0 82.4#

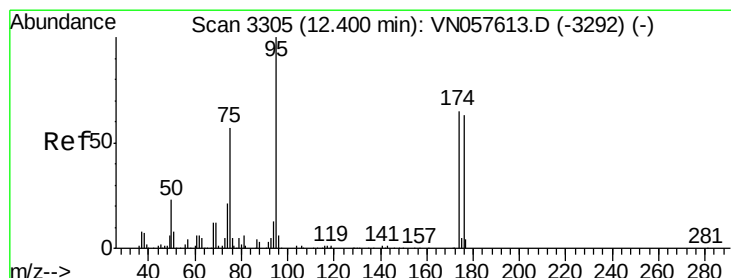
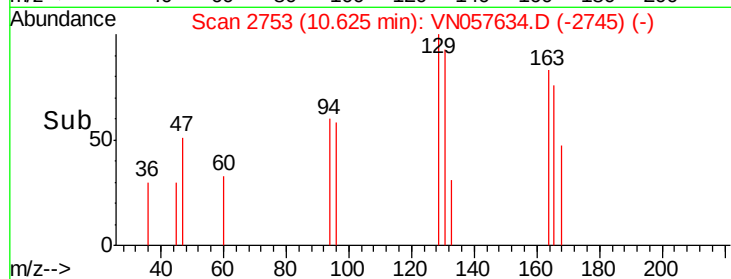
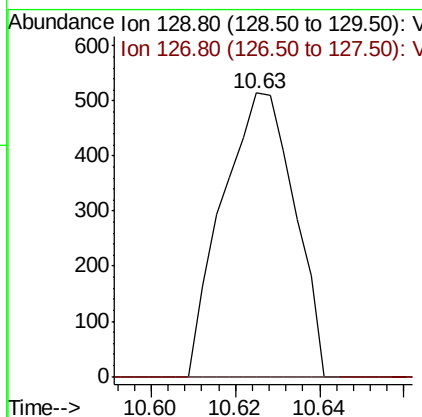
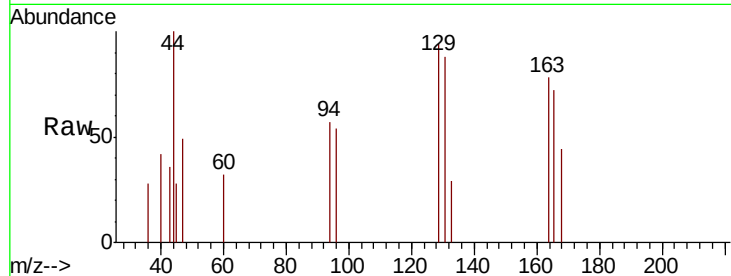




#60
 Dibromochloromethane
 Concen: 3.647 ug/l
 RT: 10.63 min Scan# 2753
 Delta R.T. -0.27 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

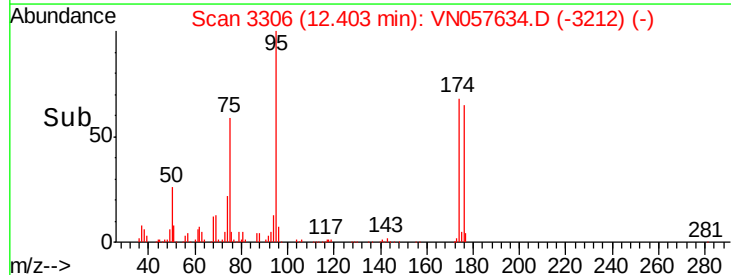
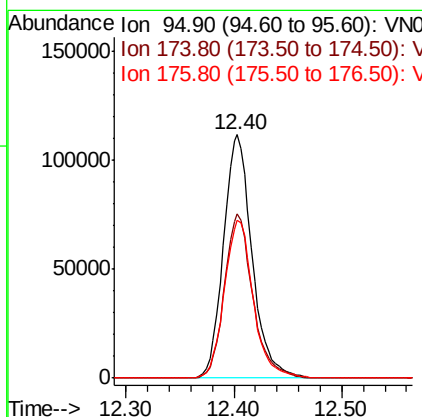
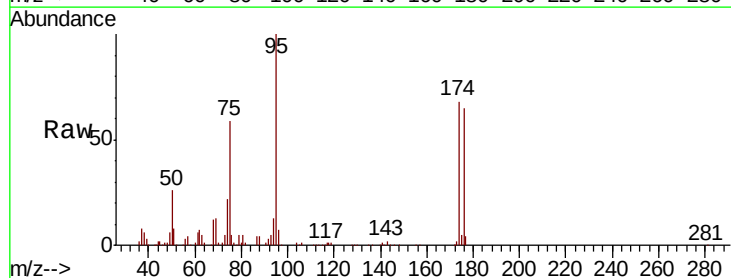
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

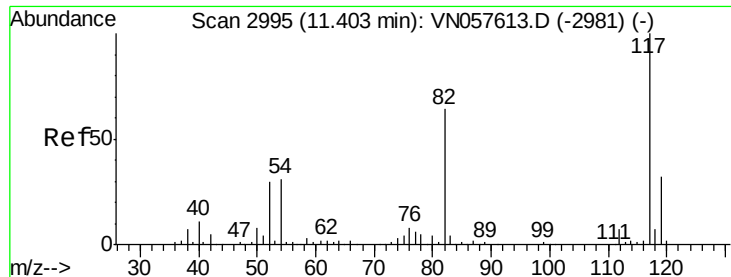
Tgt Ion: 129 Resp: 608
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



#62
 4-Bromofluorobenzene
 Concen: 27.653 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion: 95 Resp: 206122
 Ion Ratio Lower Upper
 95 100
 174 67.1 0.0 134.8
 176 65.8 0.0 131.6

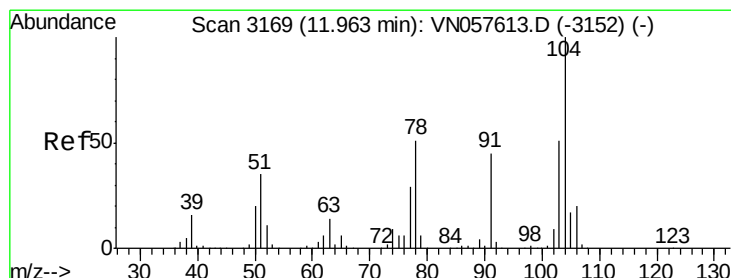
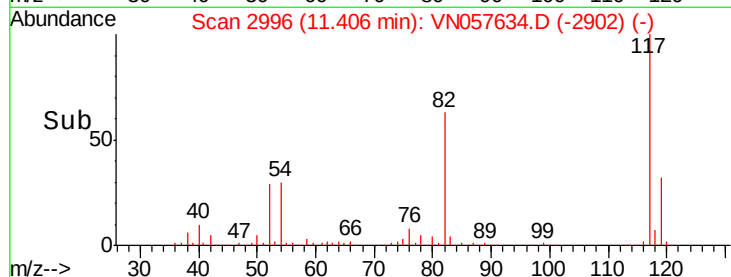
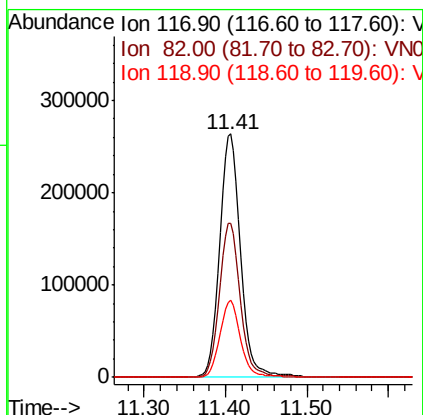
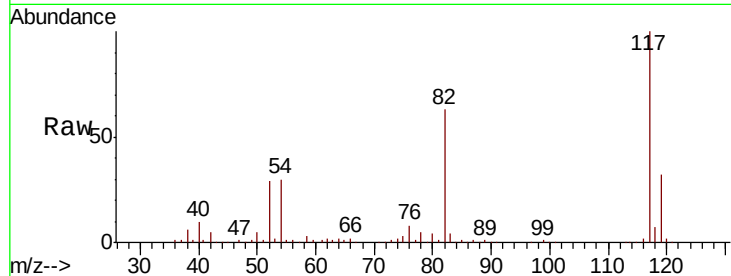




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057634.D
Acq: 1 Sep 2019 10:58

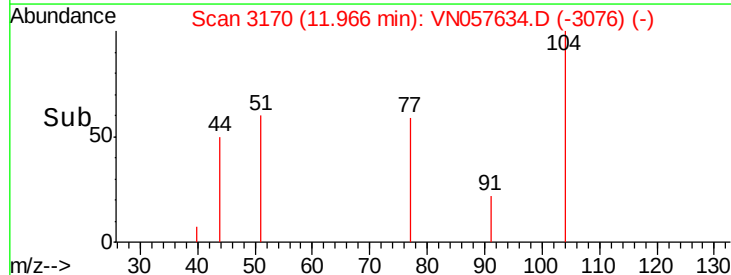
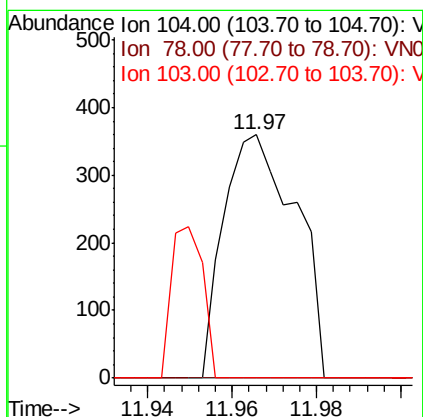
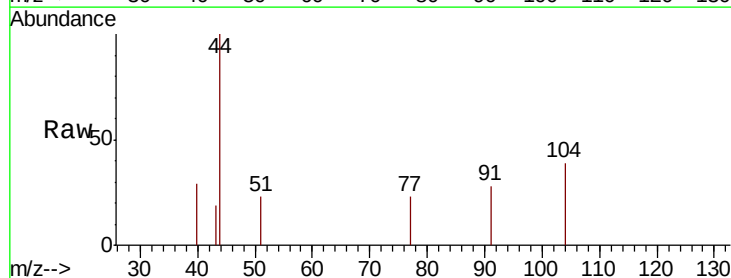
Instrument :
MSVOA_N
ClientSampleId :
VN0902MBL01

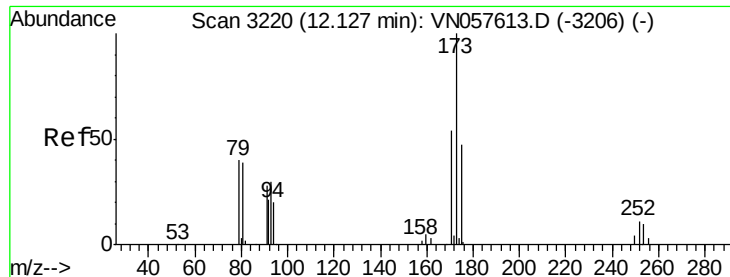
Tgt Ion:117 Resp: 480151
Ion Ratio Lower Upper
117 100
82 63.4 51.6 77.4
119 31.5 25.8 38.6



#70
Styrene
Concen: 2.611 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057634.D
Acq: 1 Sep 2019 10:58

Tgt Ion:104 Resp: 425
Ion Ratio Lower Upper
104 100
78 0.0 46.6 70.0#
103 27.5 44.7 67.1#





#71

Bromoform

Concen: 6.731 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01

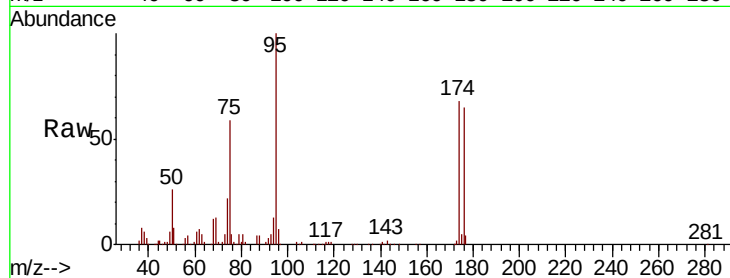
Tgt Ion:173 Resp: 1823

Ion Ratio Lower Upper

173 100

175 436.8 24.4 73.4#

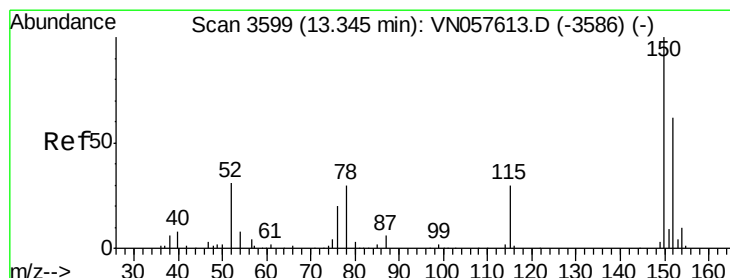
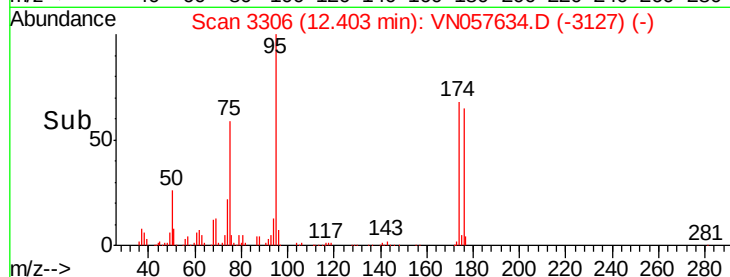
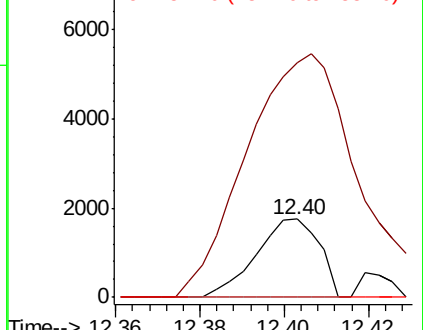
254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

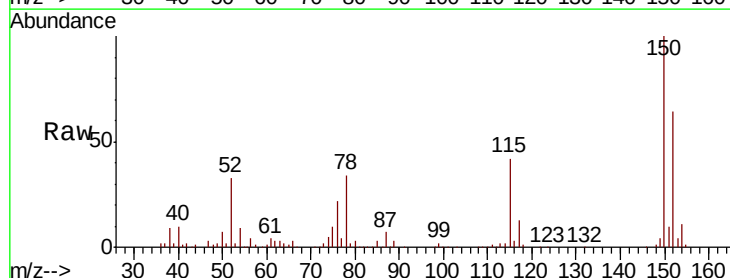
Tgt Ion:152 Resp: 125123

Ion Ratio Lower Upper

152 100

115 66.2 33.2 99.6

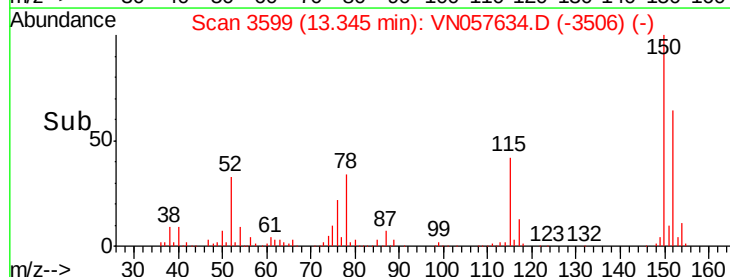
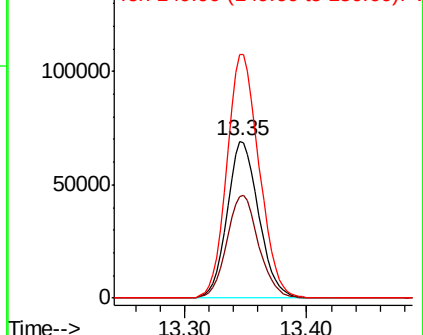
150 158.7 0.0 365.2

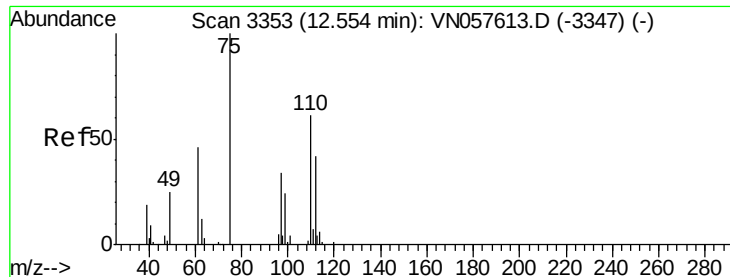


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.337 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

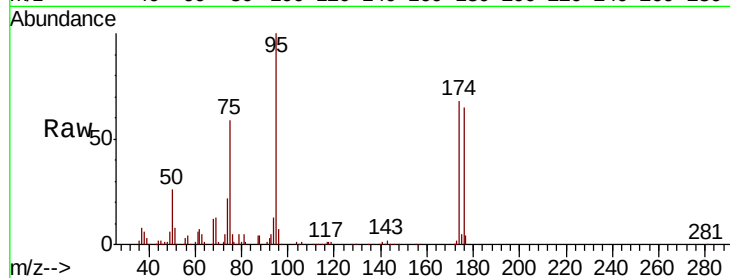
VN0902MBL01

Tgt Ion: 75 Resp: 122886

Ion Ratio Lower Upper

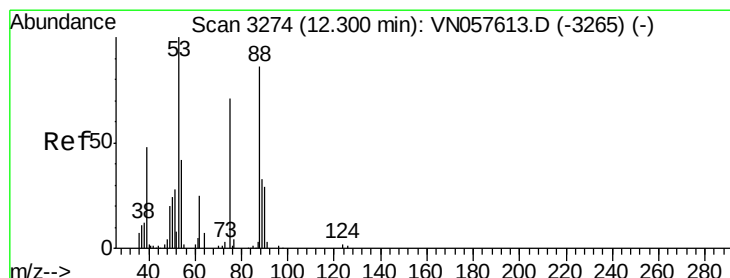
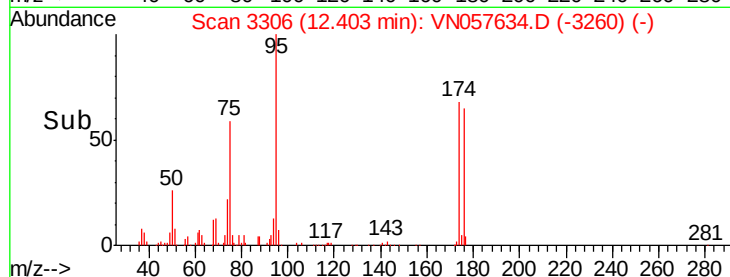
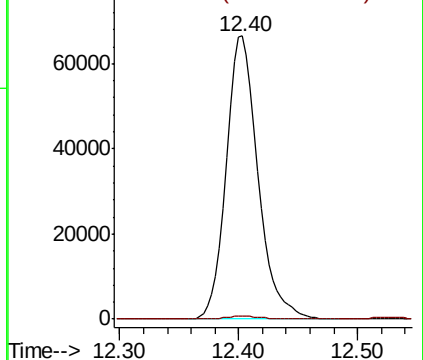
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 127.983 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

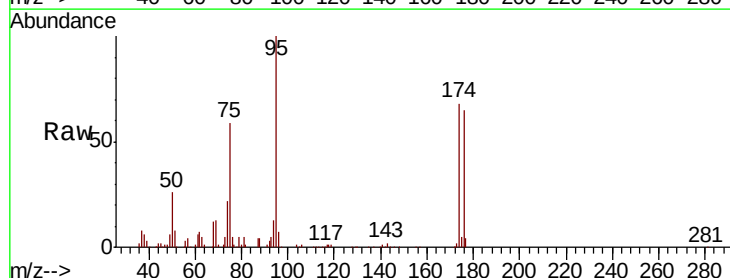
Tgt Ion: 75 Resp: 122886

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

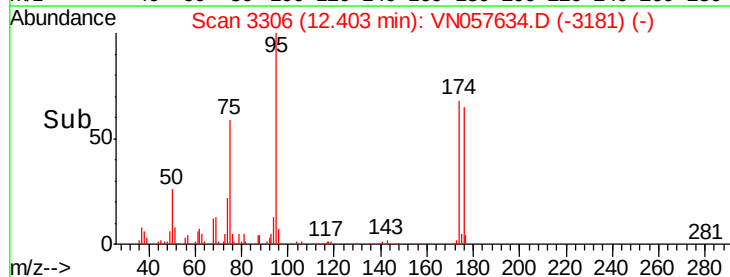
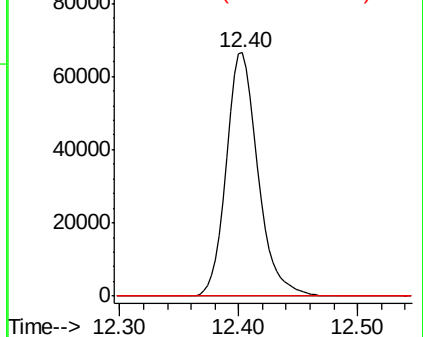
89 0.0 38.3 57.5#

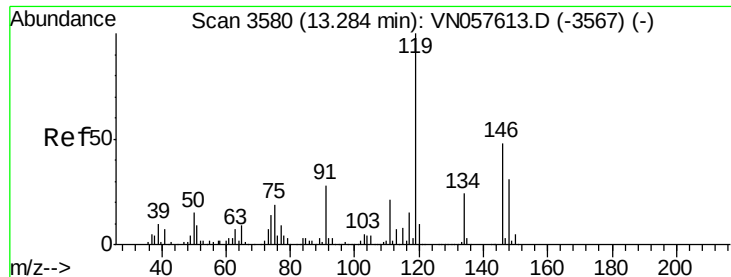


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

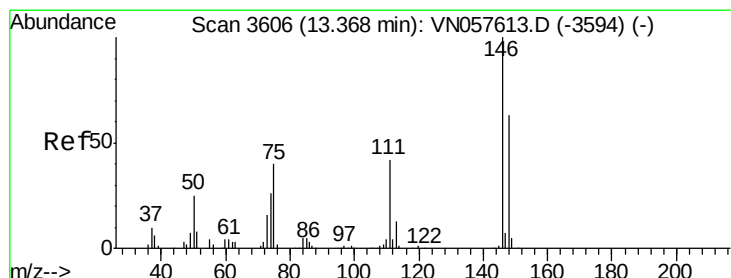
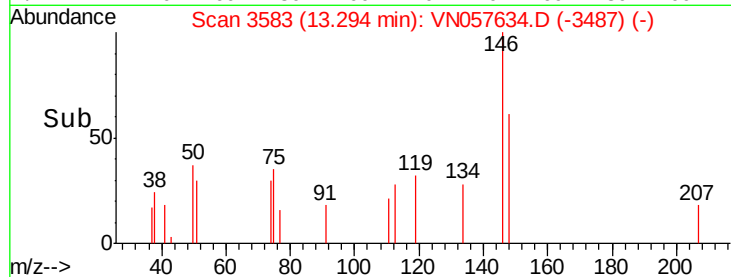
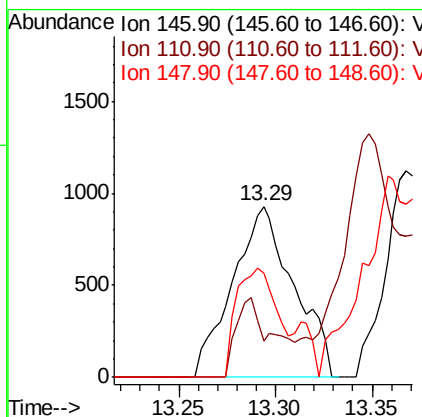
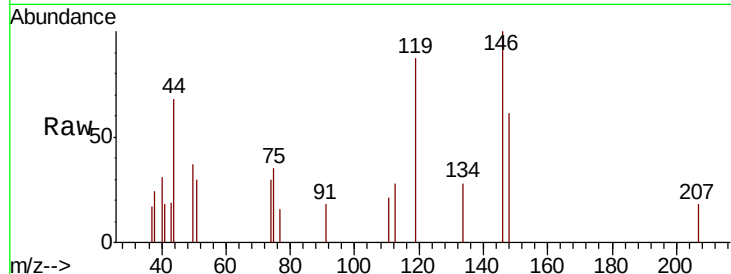




#87
 1,3-Dichlorobenzene
 Concen: 0.466 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

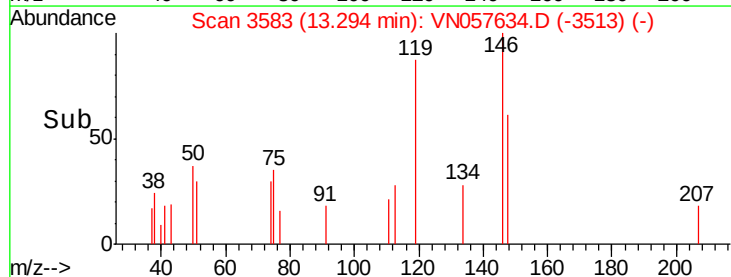
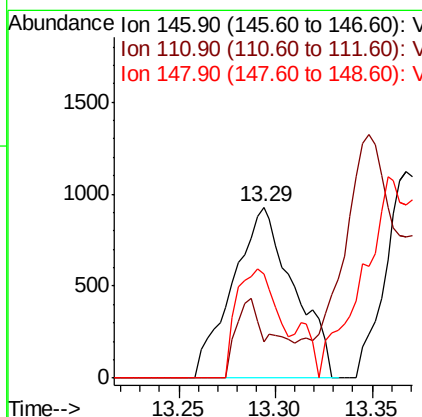
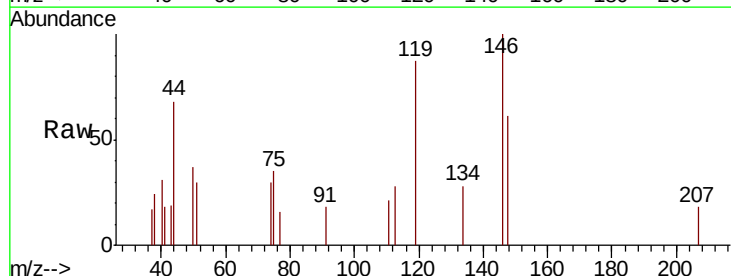
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

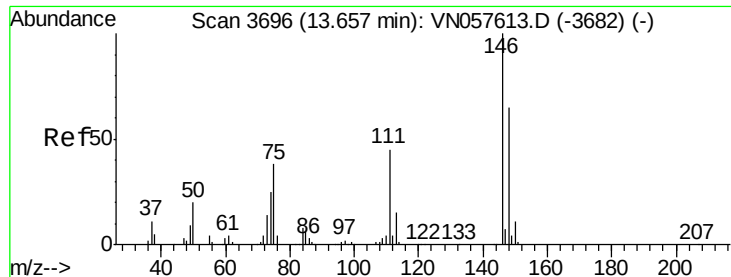
Tgt Ion:146 Resp: 2042
 Ion Ratio Lower Upper
 146 100
 111 22.1 21.8 65.3
 148 42.0 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 0.483 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.07 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion:146 Resp: 2042
 Ion Ratio Lower Upper
 146 100
 111 22.1 21.6 65.0
 148 42.0 32.2 96.6

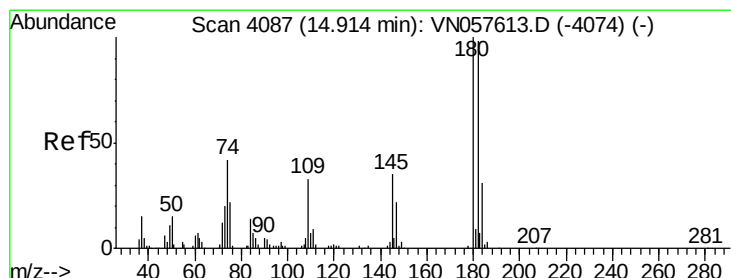
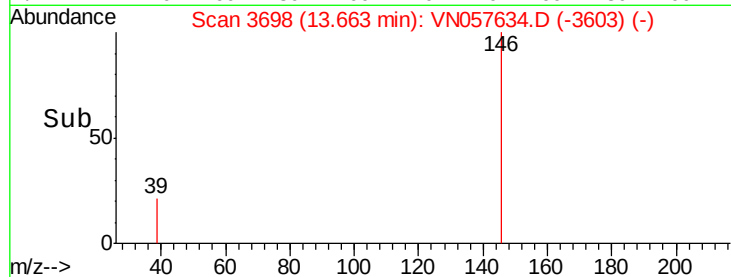
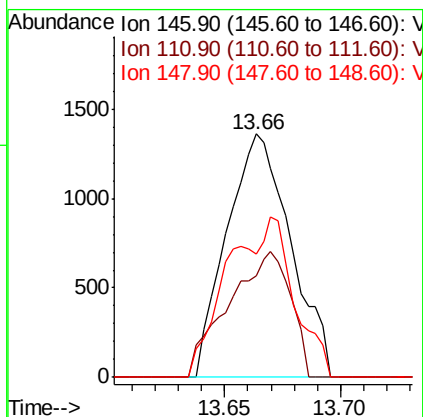
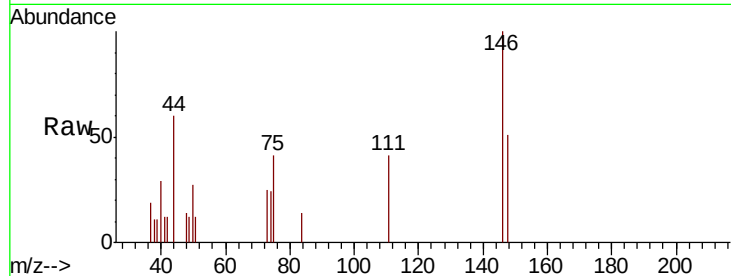




#91
 1,2-Dichlorobenzene
 Concen: 0.622 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.01 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

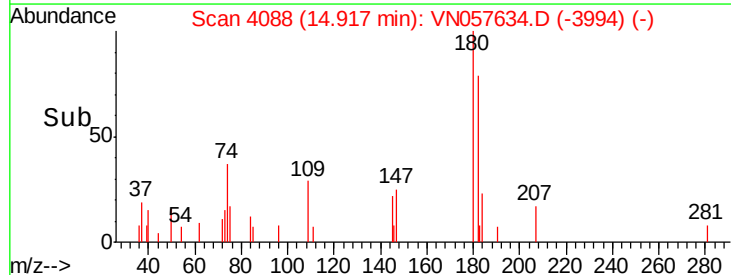
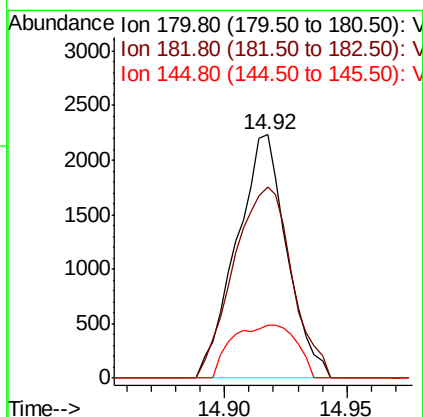
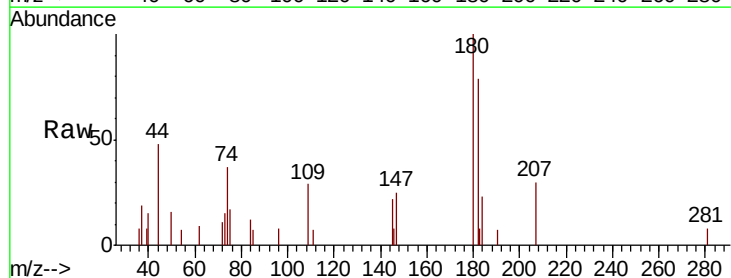
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

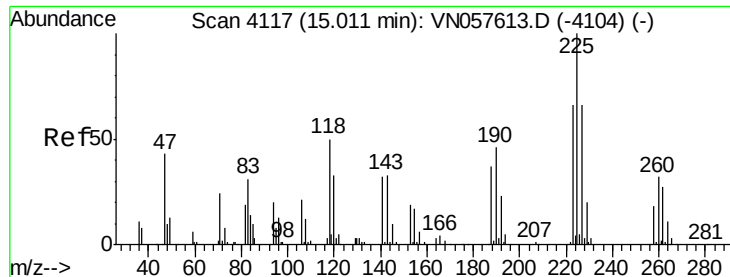
Tgt Ion:146 Resp: 2600
 Ion Ratio Lower Upper
 146 100
 111 49.9 22.1 66.5
 148 33.8 31.6 94.7



#93
 1,2,4-Trichlorobenzene
 Concen: 9.766 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Tgt Ion:180 Resp: 3197
 Ion Ratio Lower Upper
 180 100
 182 90.5 47.8 143.3
 145 27.7 16.9 50.7





#94

Hexachlorobutadiene

Concen: 0.380 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBL01

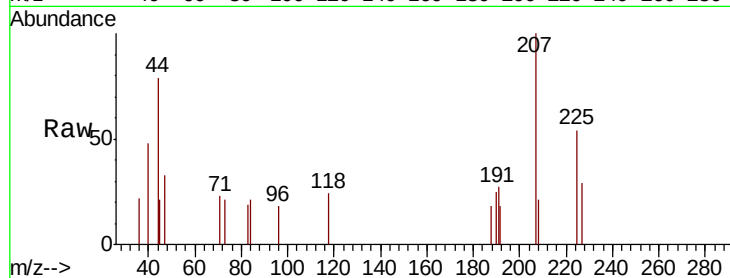
Tgt Ion:225 Resp: 545

Ion Ratio Lower Upper

225 100

223 19.1 32.3 96.8#

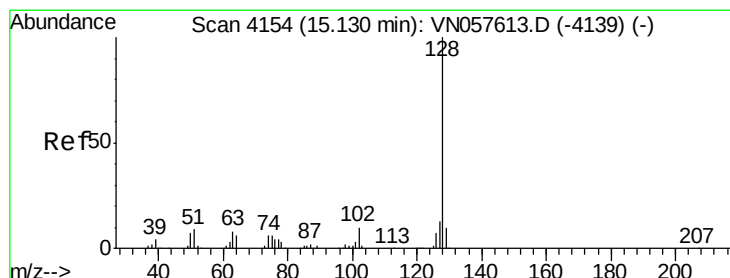
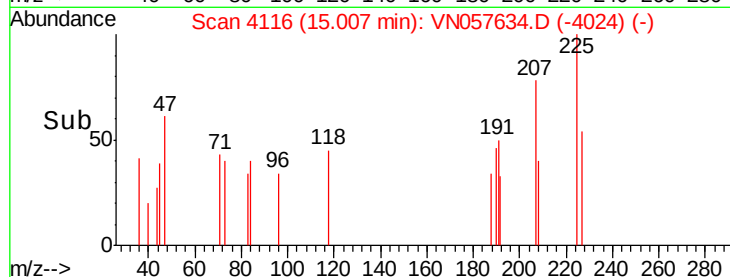
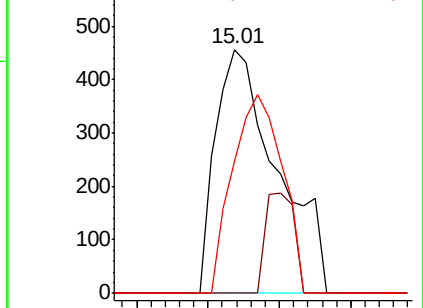
227 65.7 32.4 97.2



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: 7.639 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

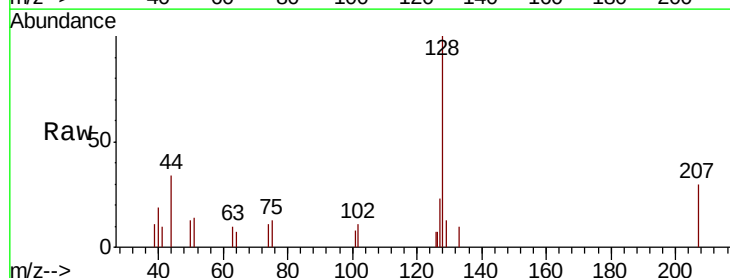
Tgt Ion:128 Resp: 4591

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

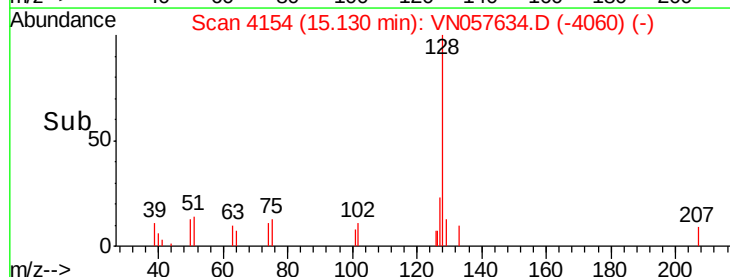
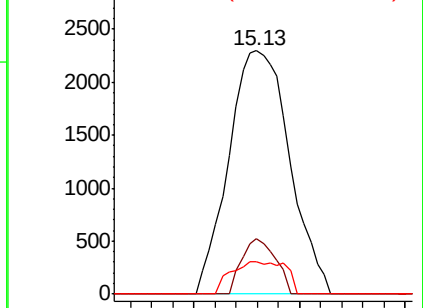
129 11.9 8.6 12.8

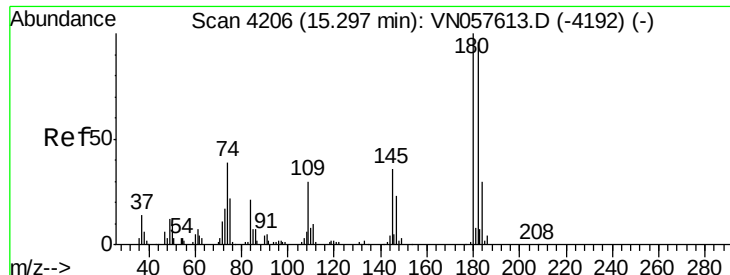


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 8.977 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN057634.D
 Acq: 1 Sep 2019 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBL01

Tgt Ion:180 Resp: 2606
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.3 138.9
 145 44.9 17.8 53.3

