

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057638.D
 Acq On : 1 Sep 2019 12:40
 Operator : JC/SP
 Sample : K4618-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

Quant Time: Sep 02 01:51:34 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	188499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	327412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	281041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	89891	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	229827	53.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.94%	
35) Dibromofluoromethane	7.58	113	137223	47.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.98%	
50) Toluene-d8	10.09	98	540290	49.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.40	95	158648	38.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	898	0.258	ug/l	99
5) Bromomethane	2.52	94	704	0.409	ug/l	94
10) Methyl Iodide	3.94	142	664	0.266	ug/l #	89
11) Tert butyl alcohol	4.73	59	963	2.156	ug/l #	81
13) Acrolein	3.60	56	72	0.405	ug/l #	1
16) Acetone	3.81	43	17381	14.565	ug/l	100
17) Carbon Disulfide	4.02	76	2552	0.450	ug/l #	67
18) Methyl Acetate	4.32	43	9712	2.370	ug/l #	71
20) Methylene Chloride	4.53	84	4688	1.587	ug/l	89
25) 2-Butanone	6.84	43	6147	3.091	ug/l	91
31) Cyclohexane	7.65	56	6791	1.204	ug/l #	5
36) 1,1-Dichloropropene	7.65	75	20349	4.688	ug/l #	52
38) Carbon Tetrachloride	7.65	117	22608	5.818	ug/l #	16
41) Methacrylonitrile	7.18	41	284	2.400	ug/l #	32
43) Isopropyl Acetate	8.16	43	77188	10.376	ug/l	98
48) Methyl methacrylate	9.17	41	4944	1.302	ug/l #	17
49) 1,4-Dioxane	9.26	88	106	2.383	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7013	1.645	ug/l	92
53) t-1,3-Dichloropropene	10.38	75	219	3.262	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	28379	6.847	ug/l #	69
56) Ethyl methacrylate	10.54	69	1309	0.277	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3694	0.711	ug/l #	43
59) 2-Hexanone	10.76	43	77757	24.834	ug/l #	57
60) Dibromochloromethane	11.18	129	60	3.563	ug/l #	11
64) Tetrachloroethene	10.63	164	745	0.306	ug/l #	78
68) m/p-Xylenes	11.62	106	1202	0.249	ug/l #	64
70) Styrene	11.96	104	1149	2.713	ug/l #	63
71) Bromoform	12.41	173	1324	6.854	ug/l #	1
73) Isopropylbenzene	12.25	105	1881	0.207	ug/l	78
74) N-amyl acetate	12.04	43	2628	0.614	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	92745	39.223	ug/l #	100
77) Bromobenzene	12.53	156	536	0.277	ug/l	93
78) n-propylbenzene	12.59	91	3185	0.315	ug/l	96
79) 2-Chlorotoluene	12.68	91	1830	0.291	ug/l	95

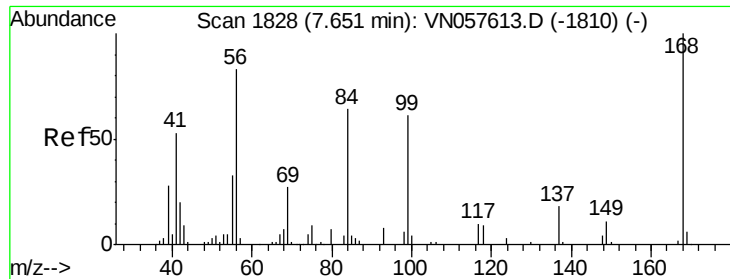
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	2930	0.392	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	92745	134.450	ug/l #	1
82) 4-Chlorotoluene	12.78	91	2107	0.338	ug/l	89
83) tert-Butylbenzene	13.00	119	1948	0.307	ug/l	75
84) 1,2,4-Trimethylbenzene	13.04	105	2497	0.346	ug/l	98
85) sec-Butylbenzene	13.17	105	3205	0.376	ug/l	98
86) p-Isopropyltoluene	13.29	119	2826	0.401	ug/l	87
87) 1,3-Dichlorobenzene	13.29	146	2474	0.786	ug/l	96
88) 1,4-Dichlorobenzene	13.29	146	2474	0.814	ug/l	95
89) n-Butylbenzene	13.62	91	3752	0.568	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	2607	0.868	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	2226	9.721	ug/l	87
94) Hexachlorobutadiene	15.01	225	1747	1.695	ug/l	93
95) Naphthalene	15.13	128	4302	7.863	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.30	180	2129	9.143	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

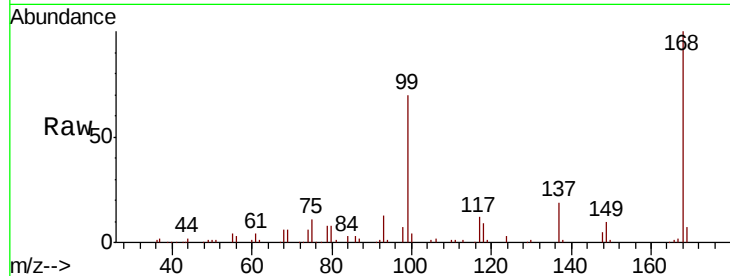
SB-4-28-30

Tgt Ion:168 Resp: 188499

Ion Ratio Lower Upper

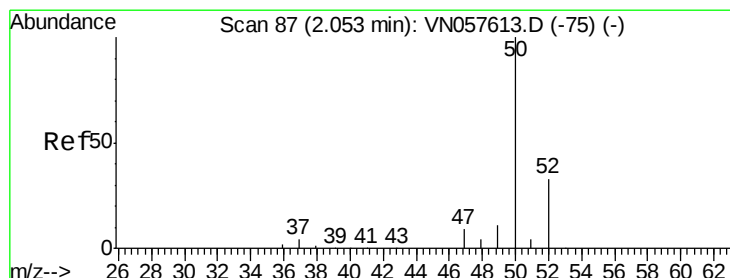
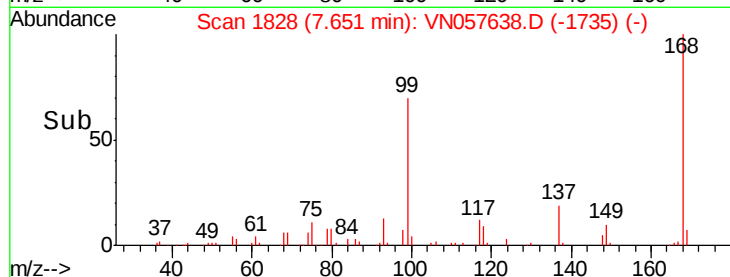
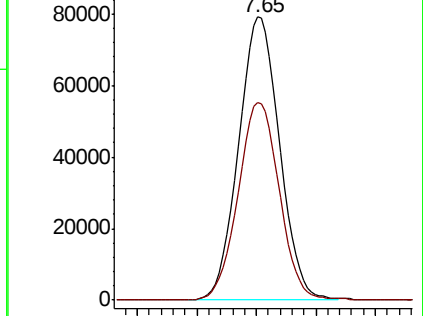
168 100

99 70.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.258 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057638.D

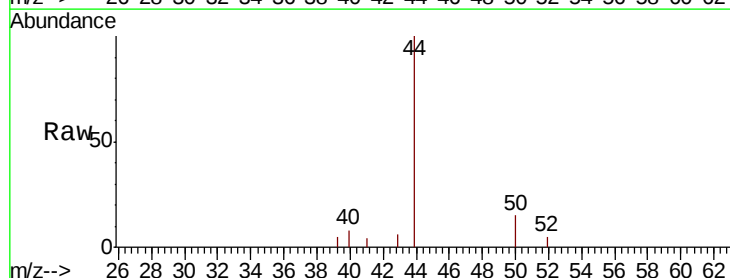
Acq: 1 Sep 2019 12:40

Tgt Ion: 50 Resp: 898

Ion Ratio Lower Upper

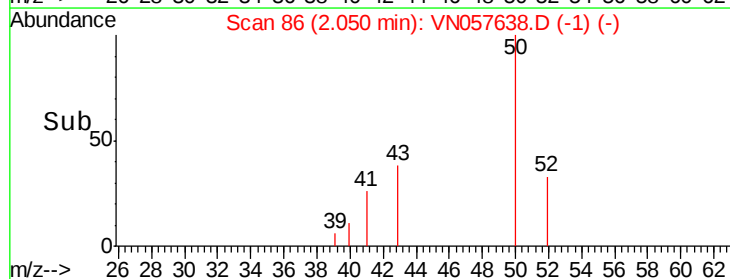
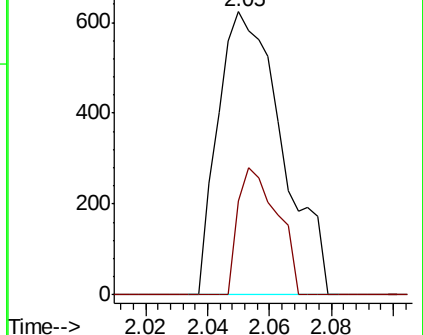
50 100

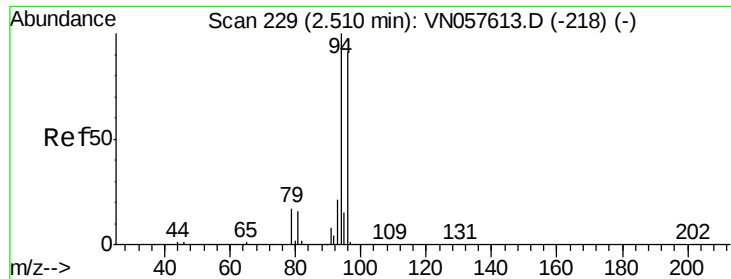
52 33.1 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 0.409 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampled :

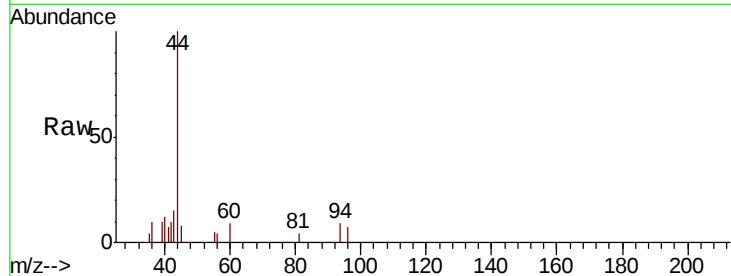
SB-4-28-30

Tgt Ion: 94 Resp: 704

Ion Ratio Lower Upper

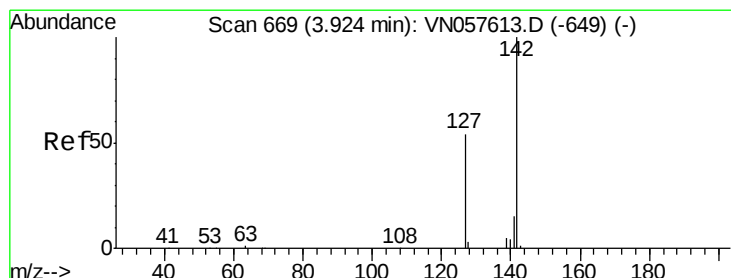
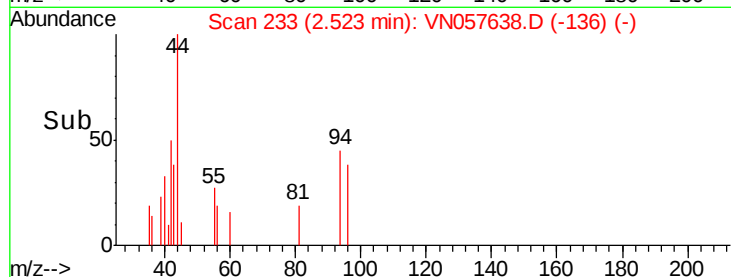
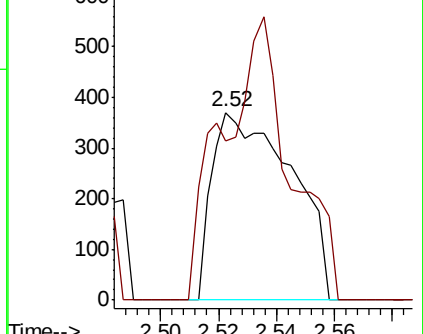
94 100

96 85.1 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.266 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.01 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

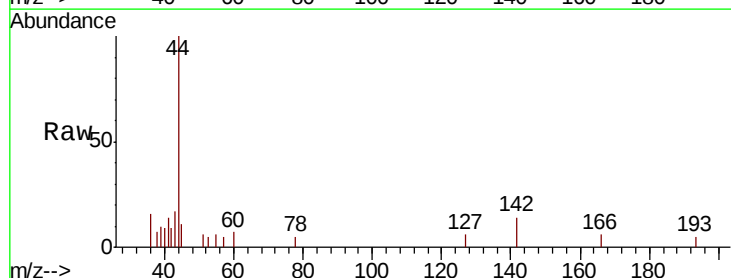
Tgt Ion: 142 Resp: 664

Ion Ratio Lower Upper

142 100

127 50.9 43.0 64.6

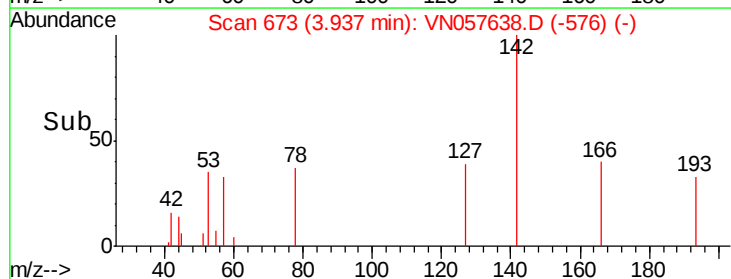
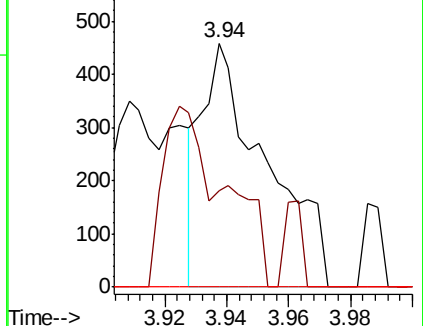
141 0.0 11.4 17.2#

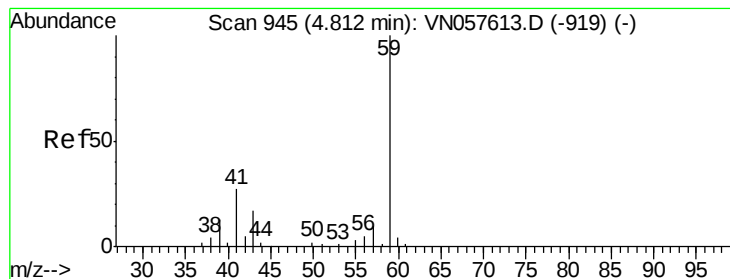


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



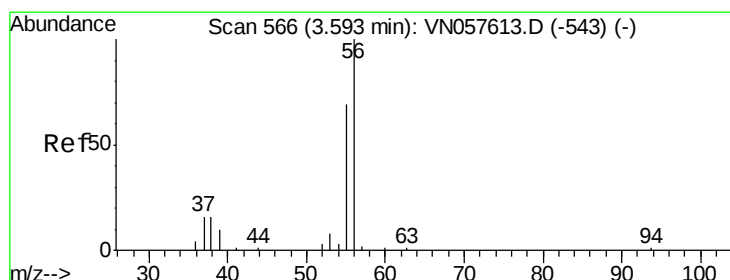
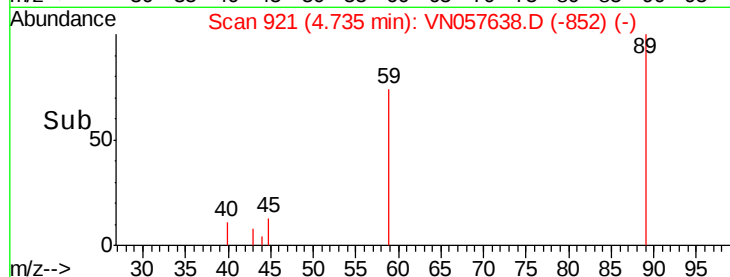
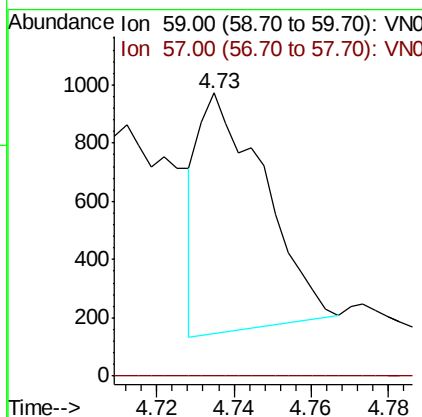
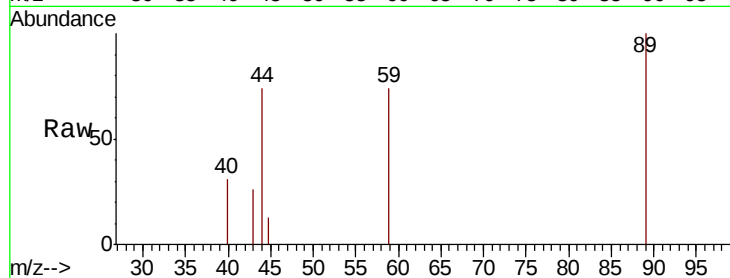


#11

Tert butyl alcohol
 Concen: 2.156 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.08 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 SB-4-28-30

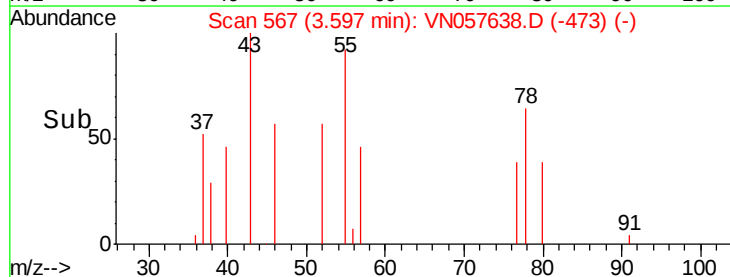
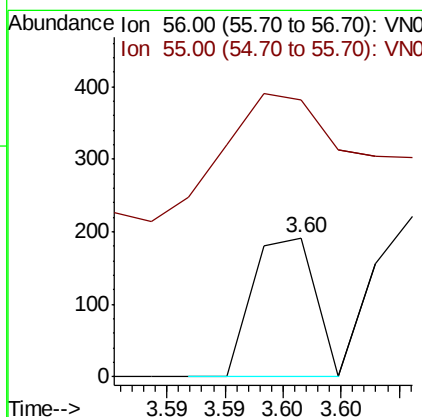
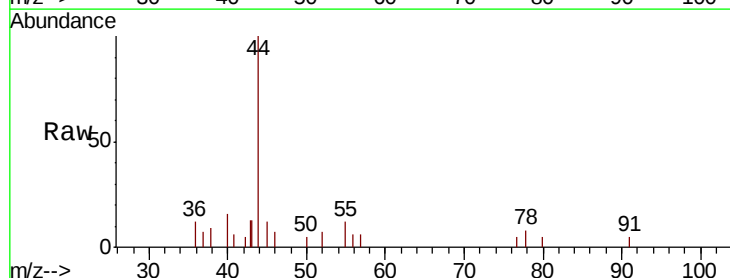
Tgt Ion: 59 Resp: 963
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.0 7.6#

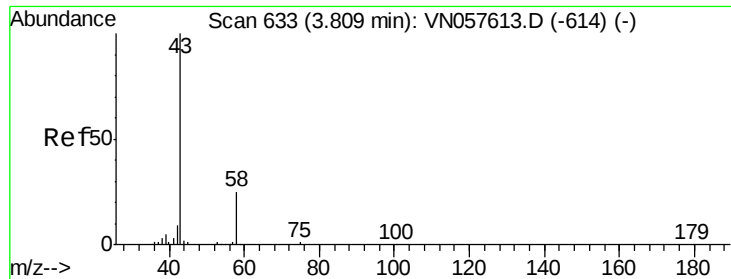


#13

Acrolein
 Concen: 0.405 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 56 Resp: 72
 Ion Ratio Lower Upper
 56 100
 55 413.9 56.5 84.7#





#16

Acetone

Concen: 14.565 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

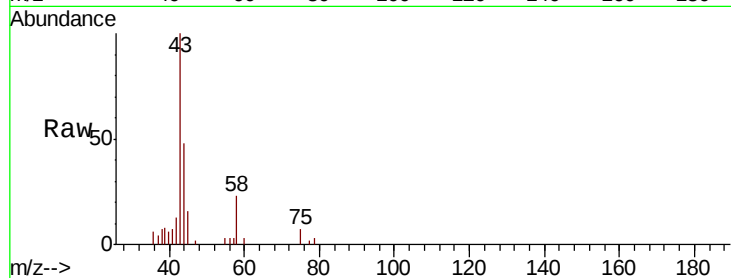
SB-4-28-30

Tgt Ion: 43 Resp: 17381

Ion Ratio Lower Upper

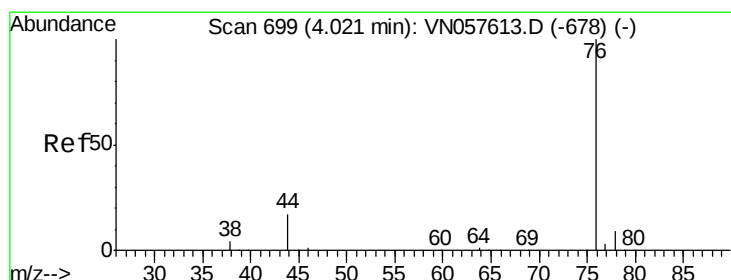
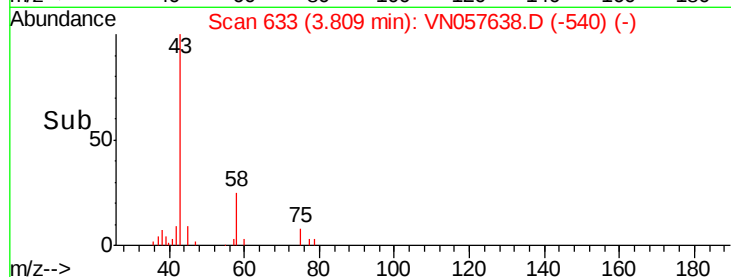
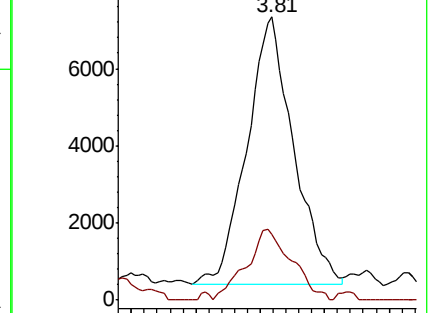
43 100

58 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.450 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057638.D

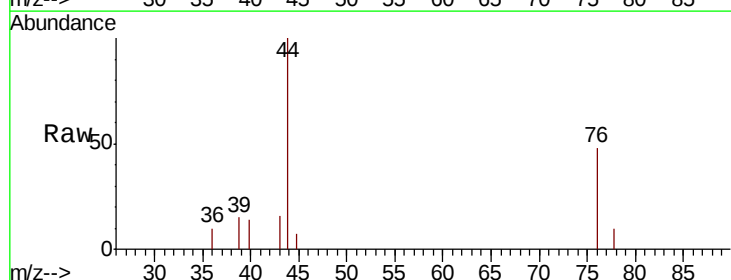
Acq: 1 Sep 2019 12:40

Tgt Ion: 76 Resp: 2552

Ion Ratio Lower Upper

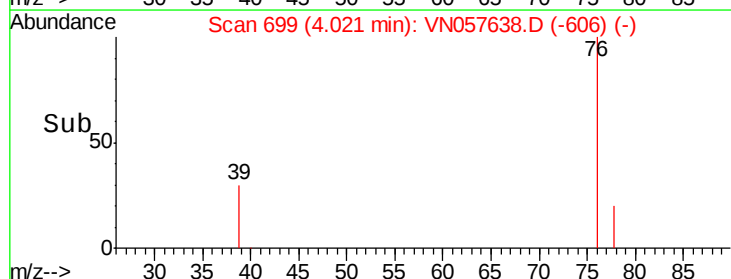
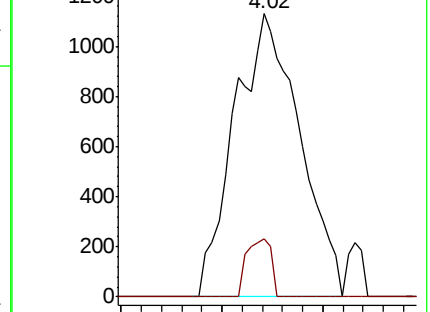
76 100

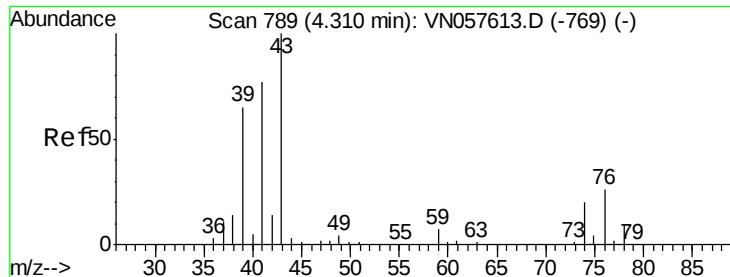
78 20.4 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

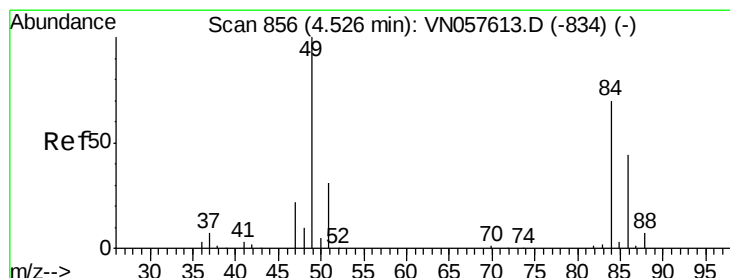
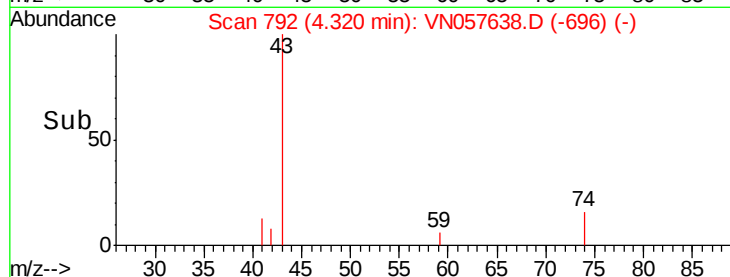
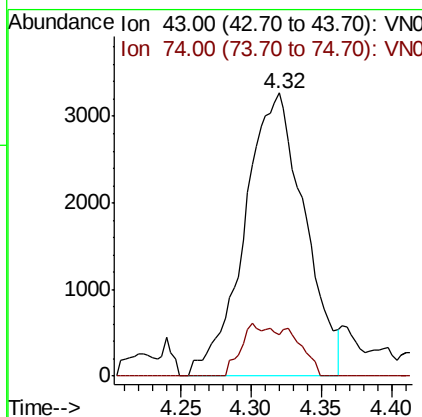
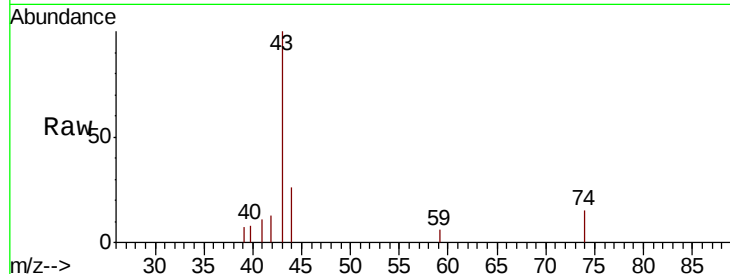




#18
Methyl Acetate
Concen: 2.370 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

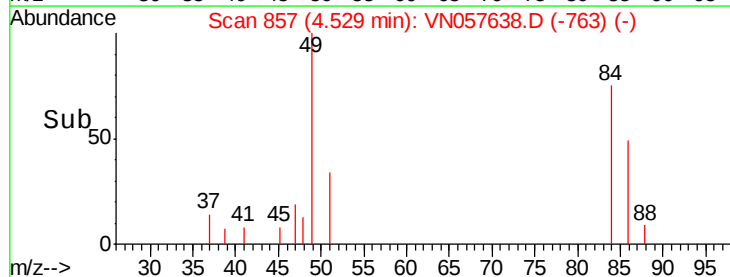
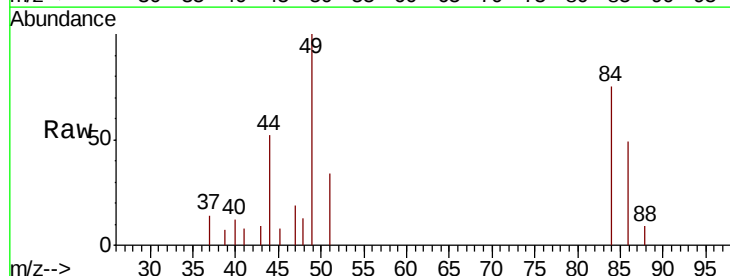
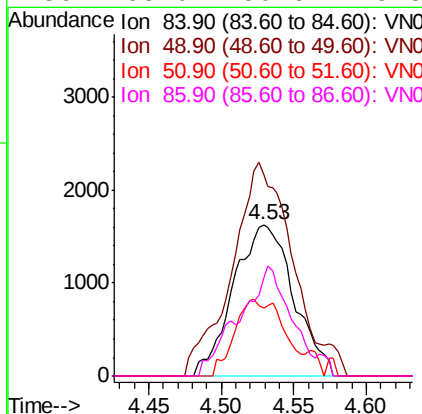
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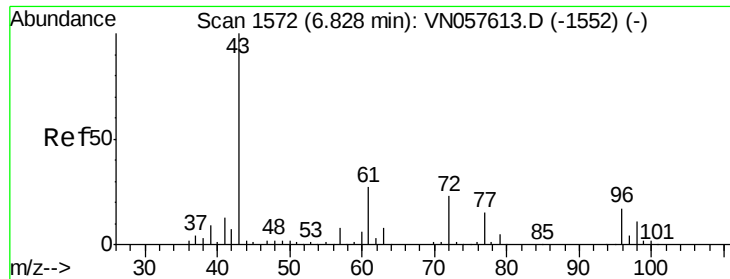
Tgt Ion: 43 Resp: 9712
Ion Ratio Lower Upper
43 100
74 6.4 15.7 23.5#



#20
Methylene Chloride
Concen: 1.587 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion: 84 Resp: 4688
Ion Ratio Lower Upper
84 100
49 121.2 113.8 170.6
51 44.6 35.0 52.6
86 65.0 50.6 75.8

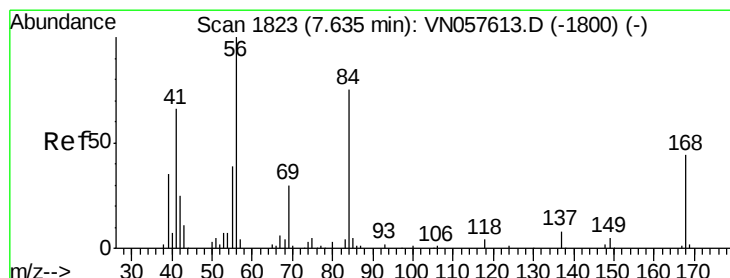
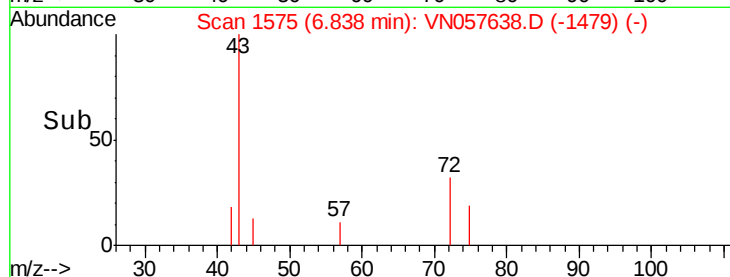
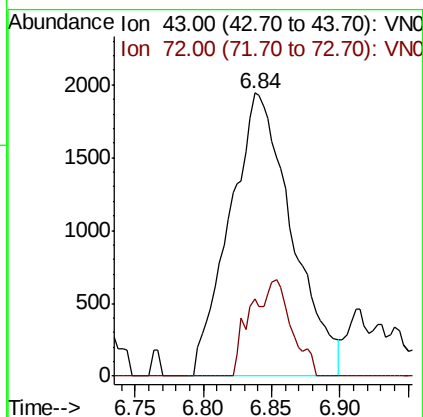
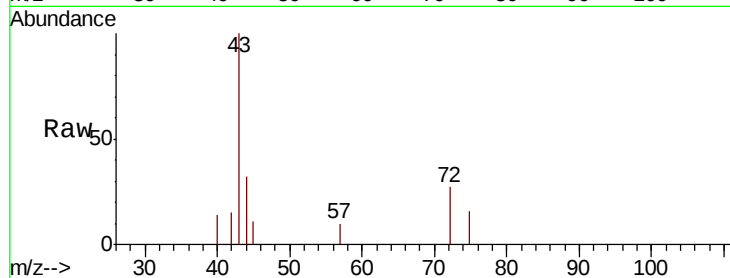




#25
2-Butanone
Concen: 3.091 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

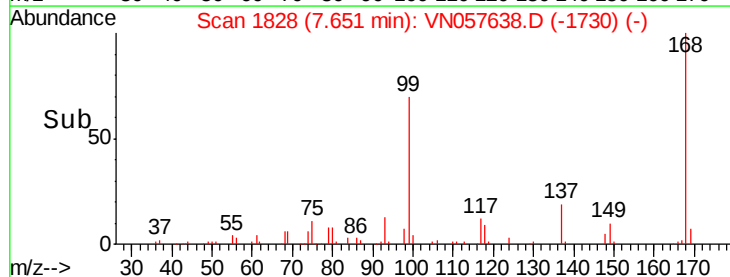
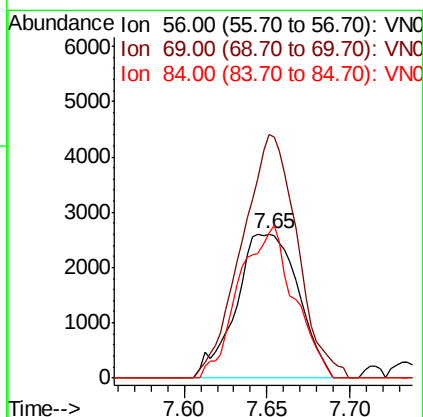
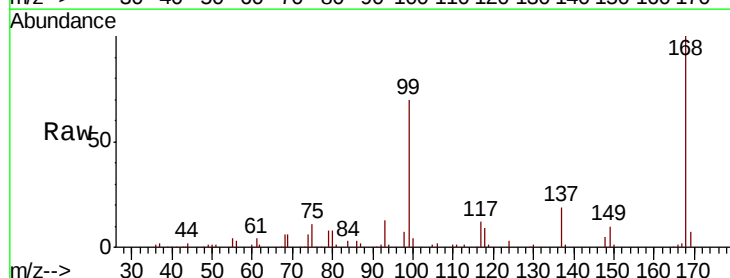
Instrument :
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ClientSampleId :
SB-4-28-30

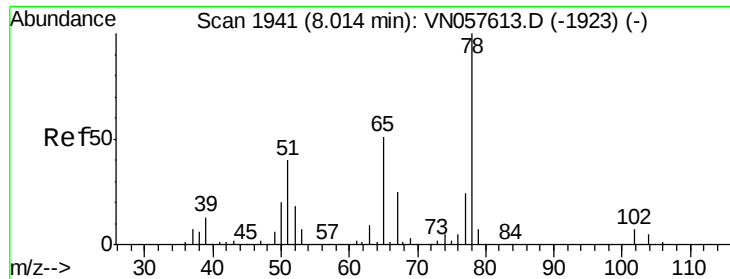
Tgt Ion: 43 Resp: 6147
Ion Ratio Lower Upper
43 100
72 27.3 18.2 27.4



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion: 56 Resp: 6791
Ion Ratio Lower Upper
56 100
69 169.2 24.4 36.6#
84 101.2 59.9 89.9#

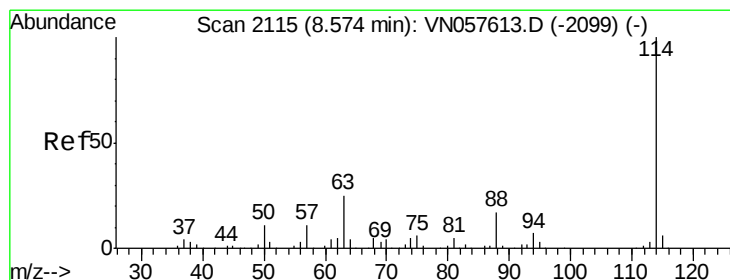
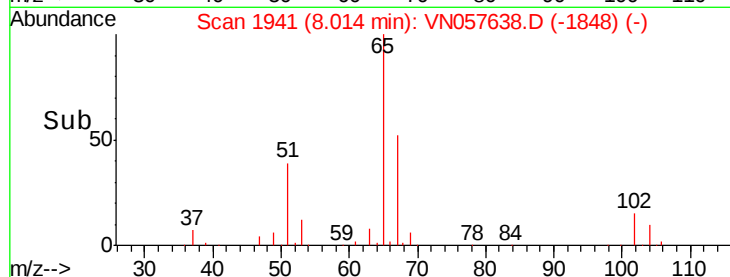
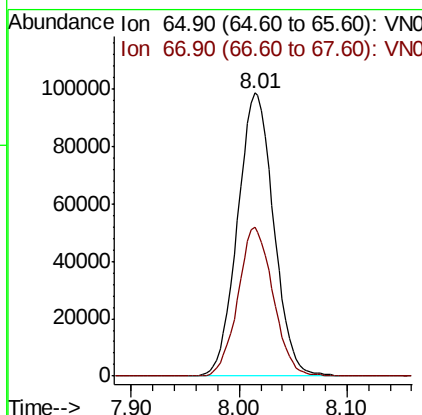
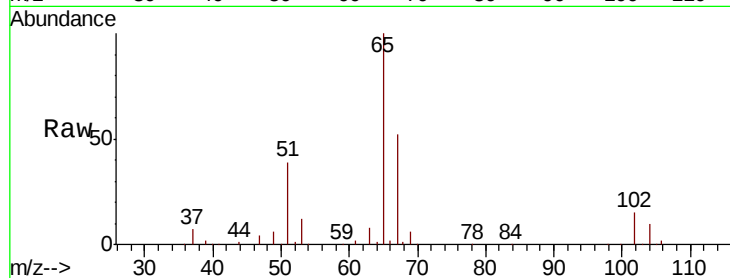




#33
 1,2-Dichloroethane-d4
 Concen: 53.973 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

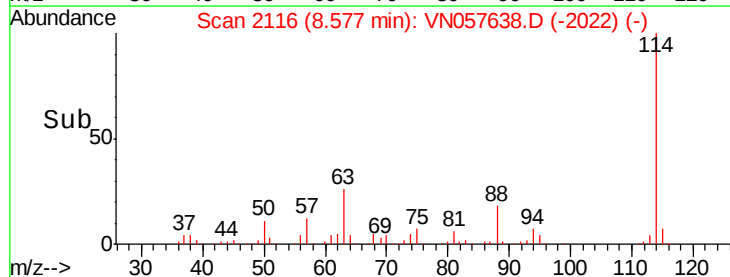
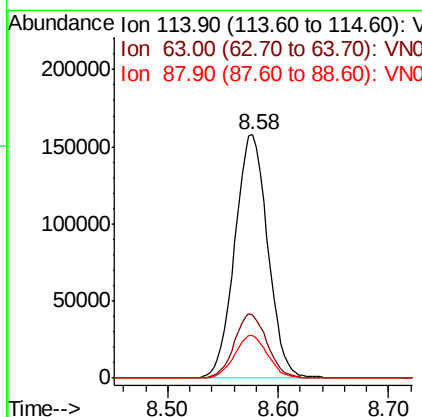
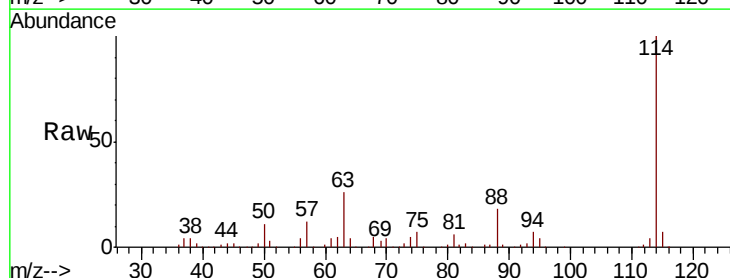
Instrument :
 MSVOA_N
 ClientSampled :
 SB-4-28-30

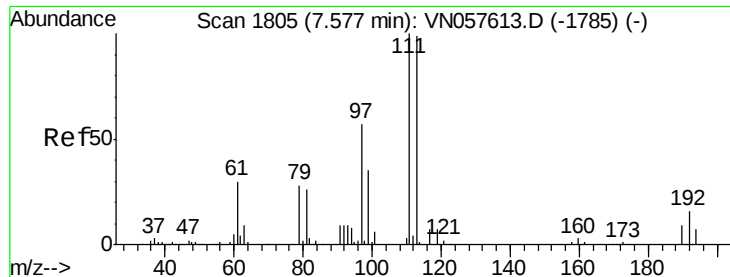
Tgt Ion: 65 Resp: 229827
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 114 Resp: 327412
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.0
 88 17.6 0.0 33.0

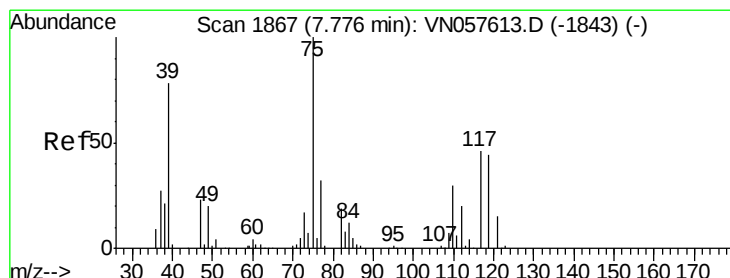
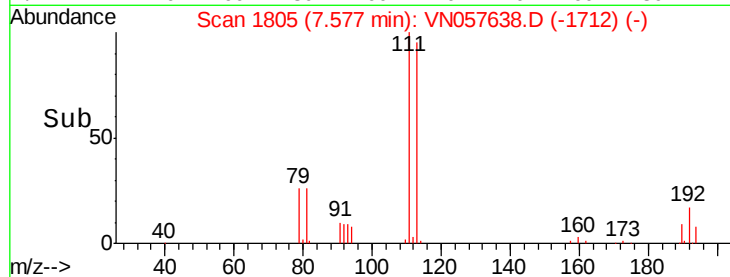
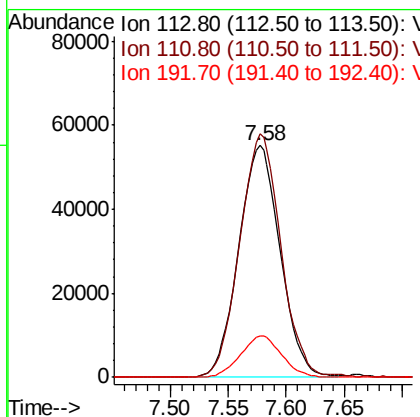
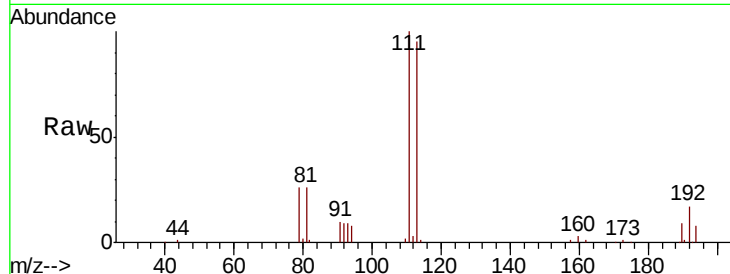




#35
 Dibromofluoromethane
 Concen: 47.993 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

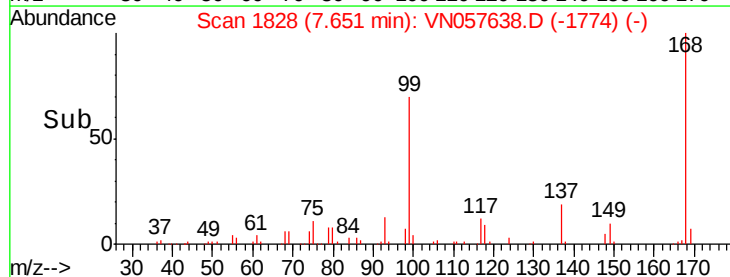
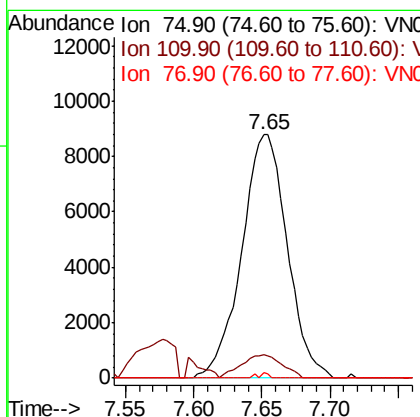
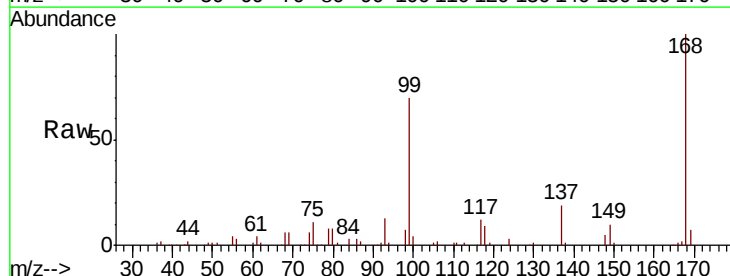
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

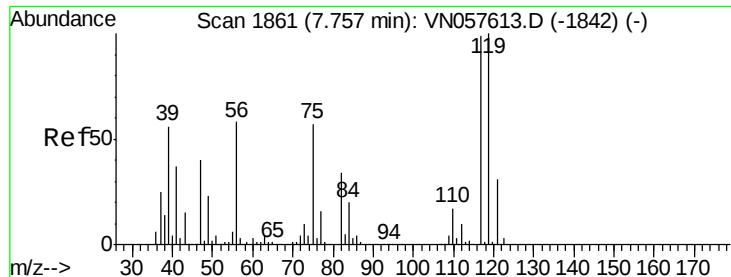
Tgt Ion: 113 Resp: 137223
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.3 121.9
 192 17.7 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 75 Resp: 20349
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.5 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

SB-4-28-30

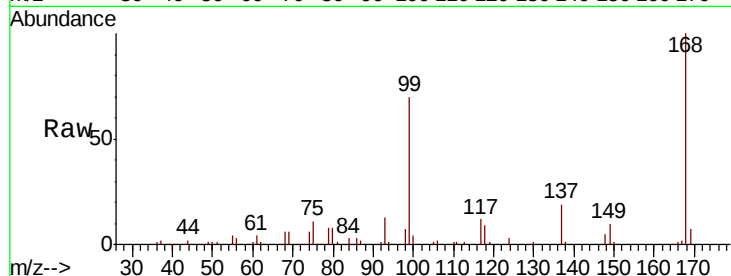
Tgt Ion:117 Resp: 22608

Ion Ratio Lower Upper

117 100

119 7.7 80.6 120.8#

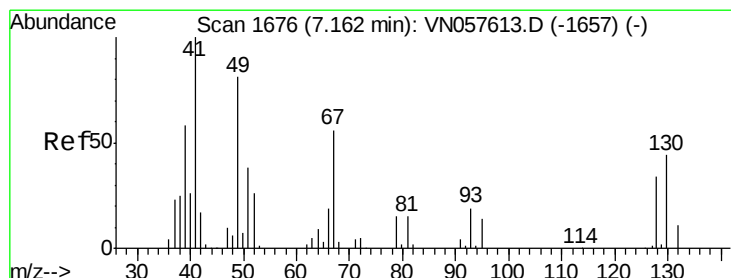
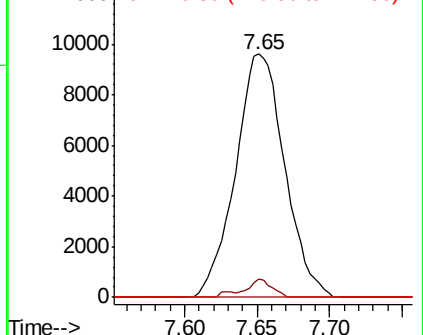
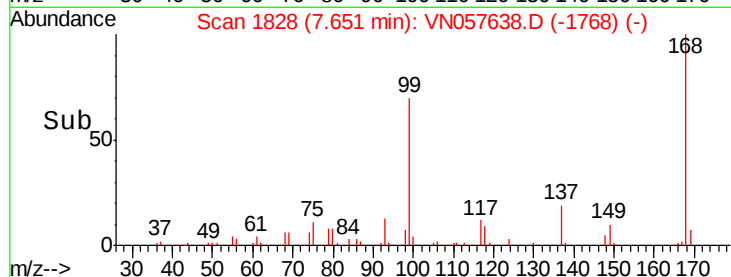
121 0.0 25.1 37.7#



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: 2.400 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Tgt Ion: 41 Resp: 284

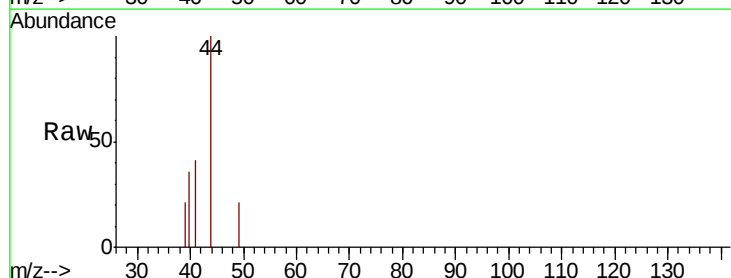
Ion Ratio Lower Upper

41 100

39 22.5 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

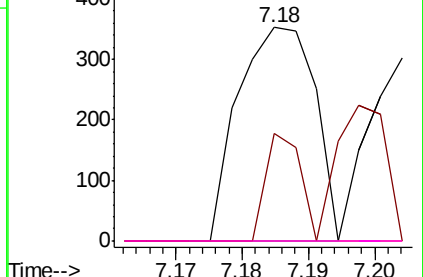
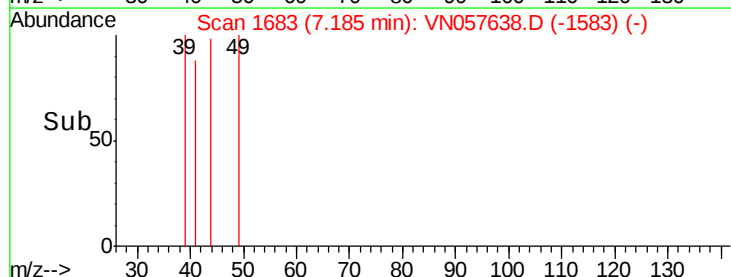


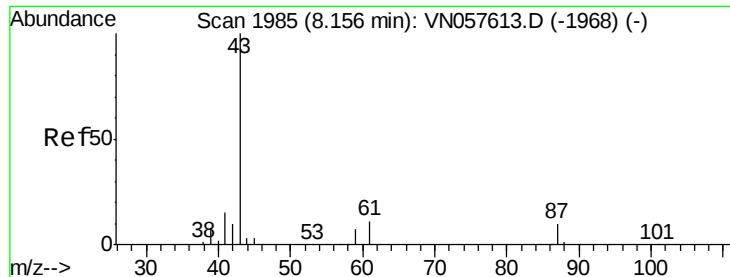
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 10.376 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

SB-4-28-30

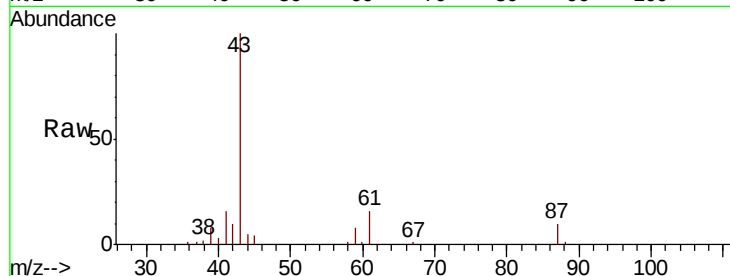
Tgt Ion: 43 Resp: 77188

Ion Ratio Lower Upper

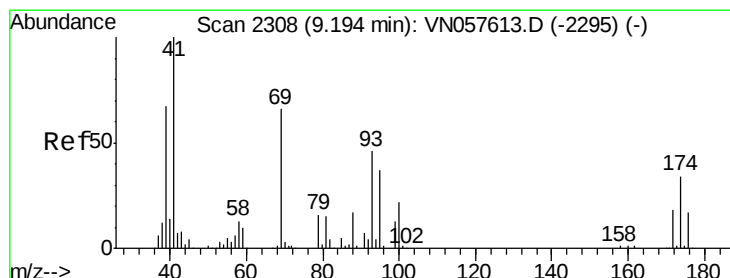
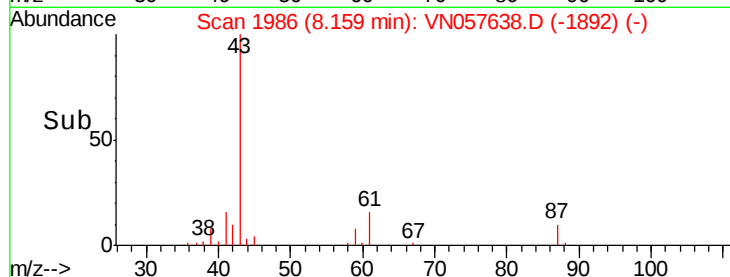
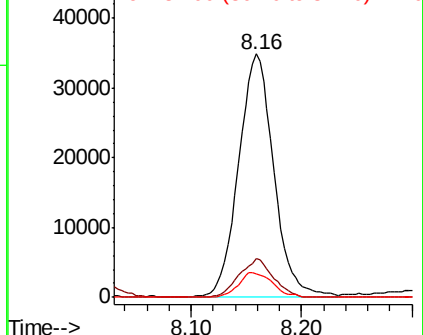
43 100

61 15.2 13.1 19.7

87 9.9 8.1 12.1



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



#48

Methyl methacrylate

Concen: 1.302 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

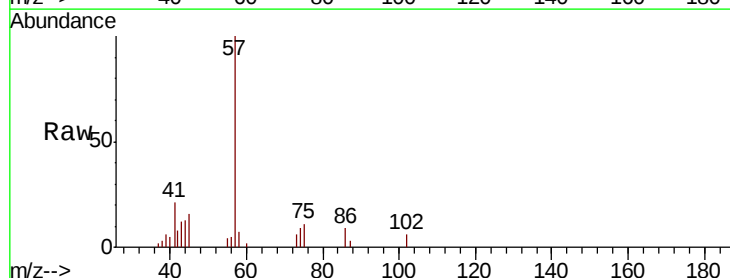
Tgt Ion: 41 Resp: 4944

Ion Ratio Lower Upper

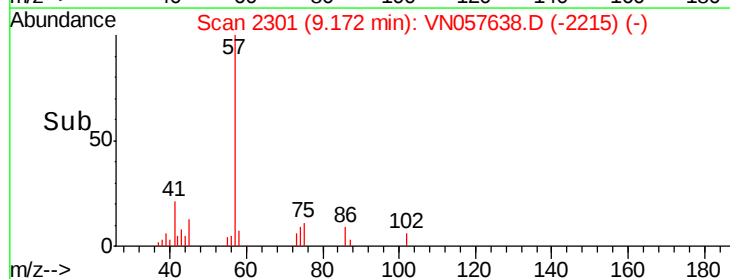
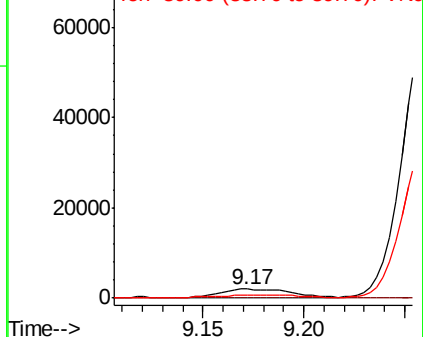
41 100

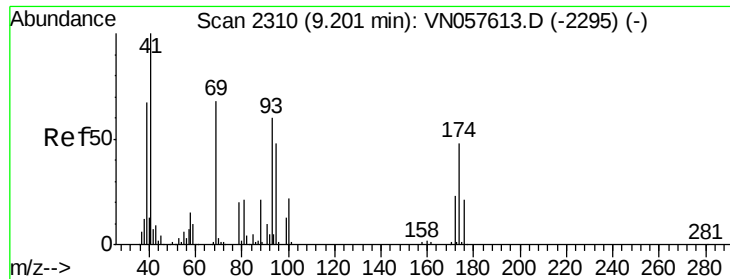
69 2.3 55.1 82.7#

39 0.0 55.4 83.2#



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





#49

1,4-Dioxane

Concen: 2.383 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

SB-4-28-30

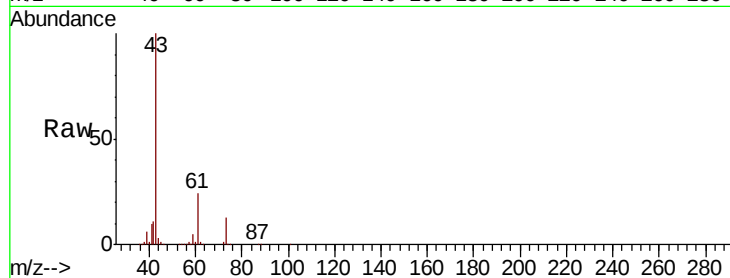
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

88 100

43 1184862.3 35.0 52.4#

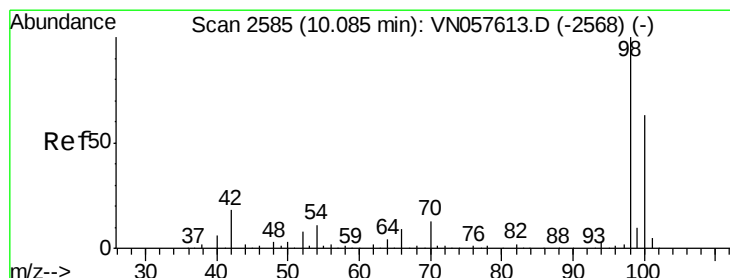
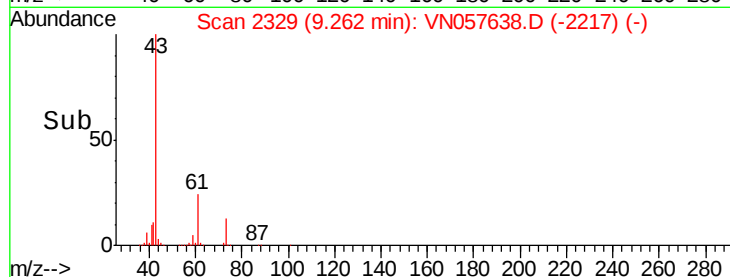
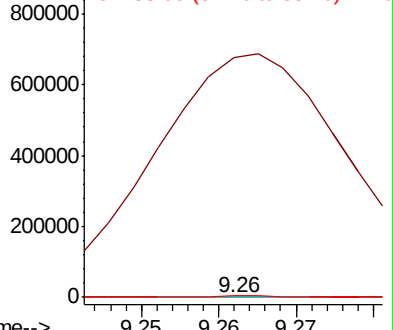
58 4636.8 61.6 92.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.219 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057638.D

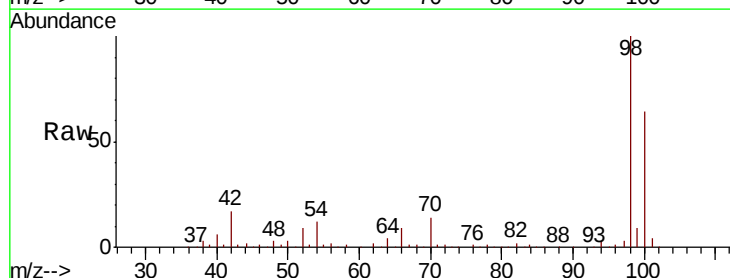
Acq: 1 Sep 2019 12:40

Tgt Ion: 98 Resp: 540290

Ion Ratio Lower Upper

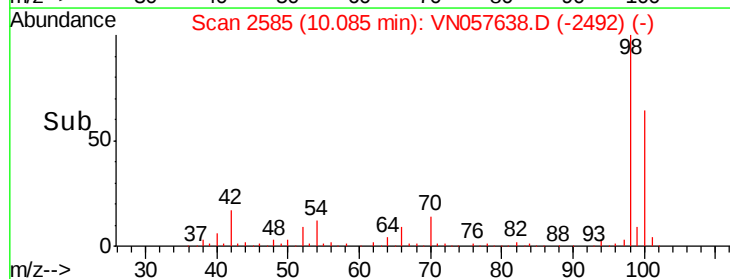
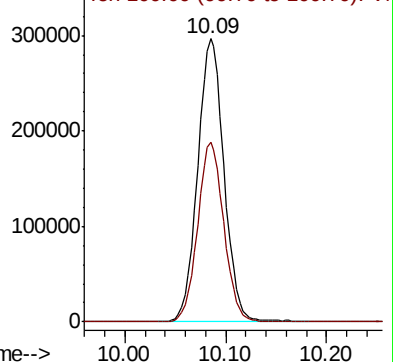
98 100

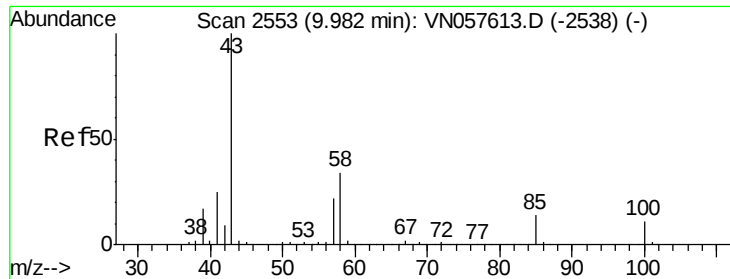
100 62.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampled :

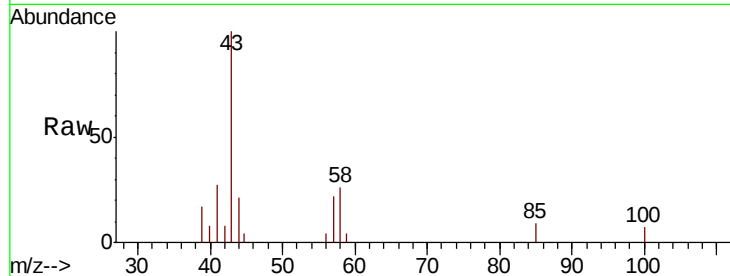
SB-4-28-30

Tgt Ion: 43 Resp: 7013

Ion Ratio Lower Upper

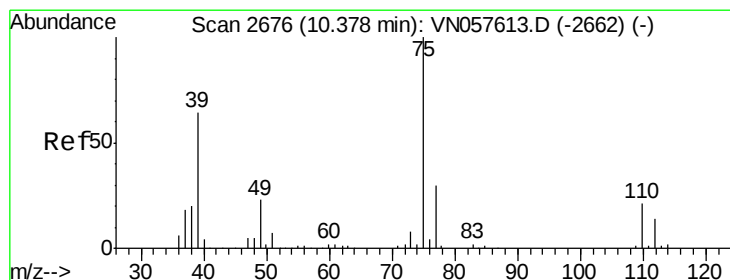
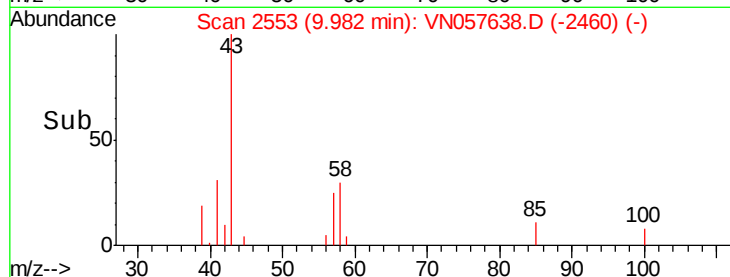
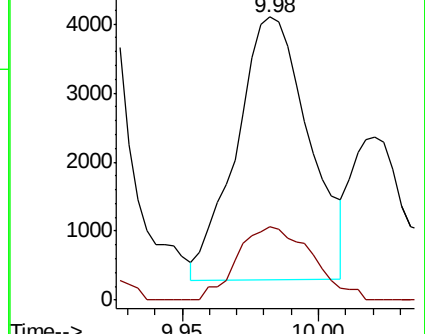
43 100

58 28.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 3.262 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057638.D

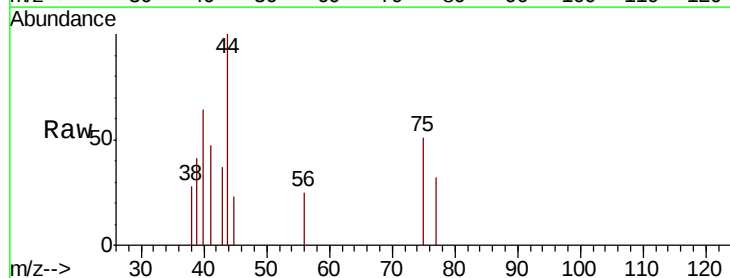
Acq: 1 Sep 2019 12:40

Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

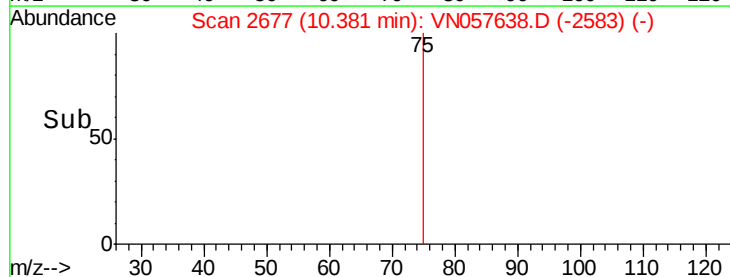
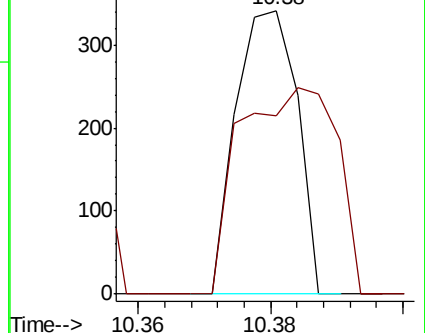
75 100

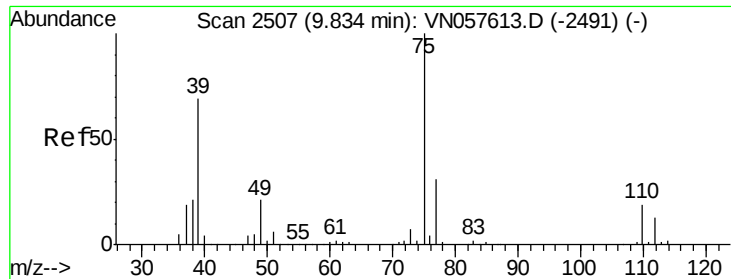
77 62.7 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 6.847 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

SB-4-28-30

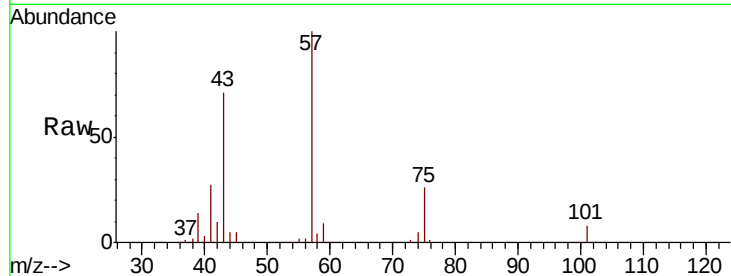
Tgt Ion: 75 Resp: 28379

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

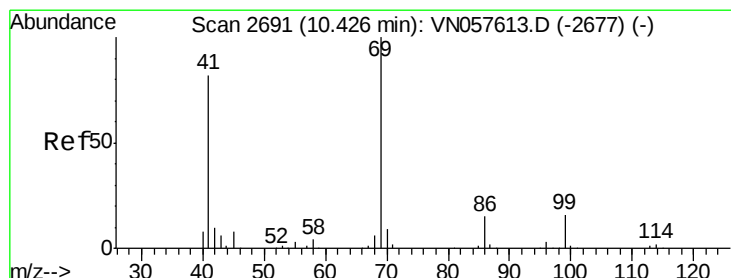
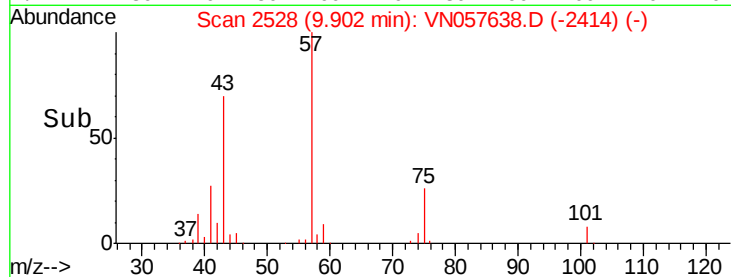
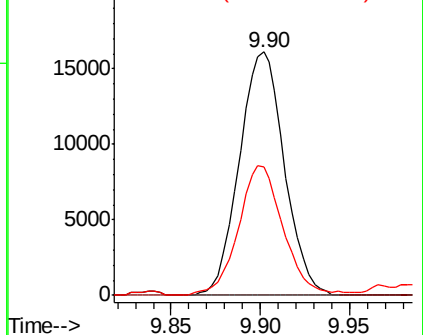
39 52.6 55.0 82.4#



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



#56

Ethyl methacrylate

Concen: 0.277 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

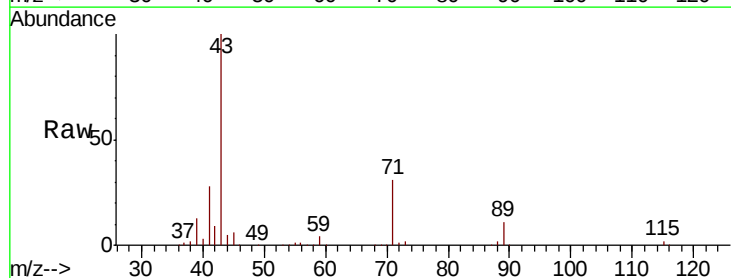
Tgt Ion: 69 Resp: 1309

Ion Ratio Lower Upper

69 100

41 6202.5 65.8 98.6#

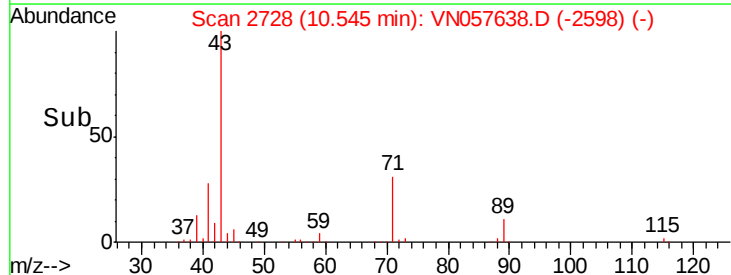
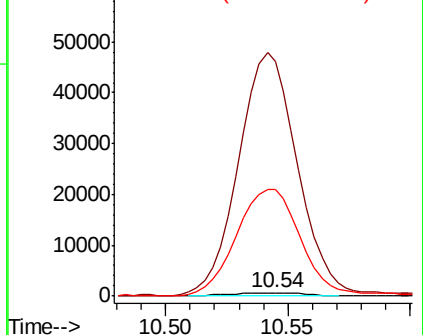
39 2963.4 43.8 65.8#

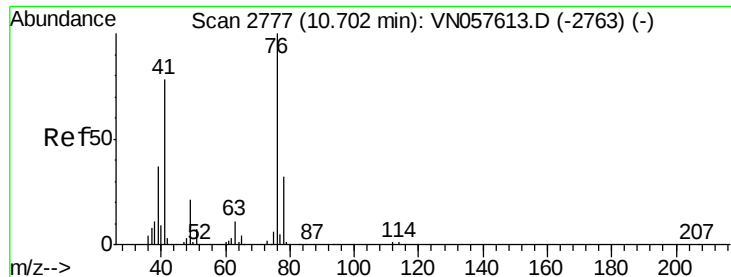


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.711 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampled :

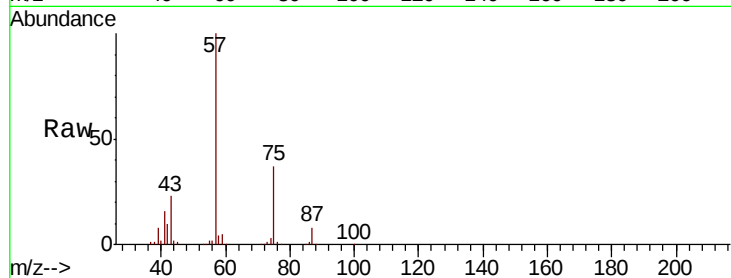
SB-4-28-30

Tgt Ion: 76 Resp: 3694

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

2500

2000

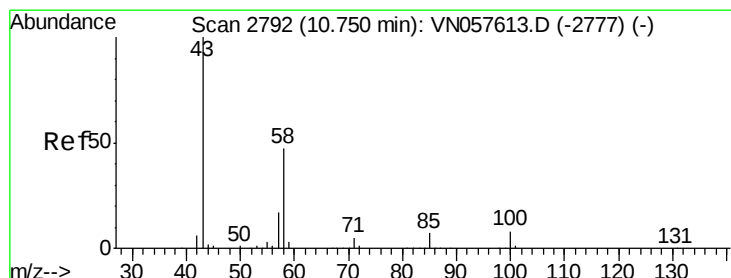
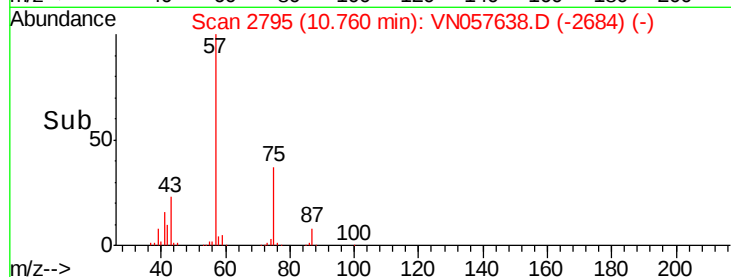
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 24.834 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN057638.D

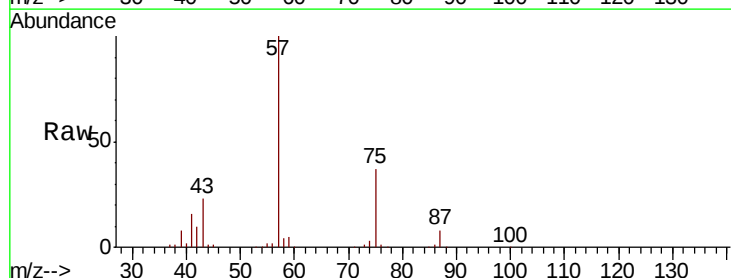
Acq: 1 Sep 2019 12:40

Tgt Ion: 43 Resp: 77757

Ion Ratio Lower Upper

43 100

58 18.6 23.5 70.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

50000

40000

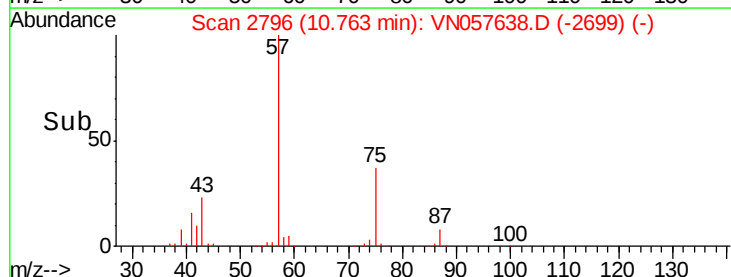
30000

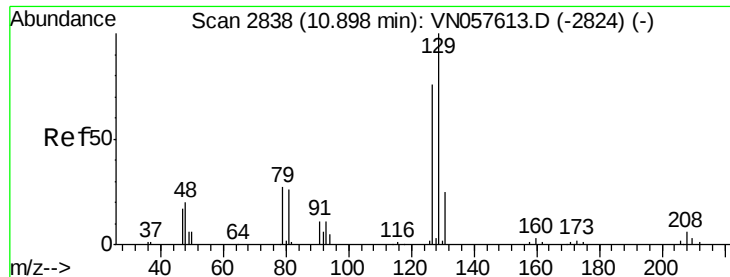
20000

10000

0

Time--> 10.75 10.80

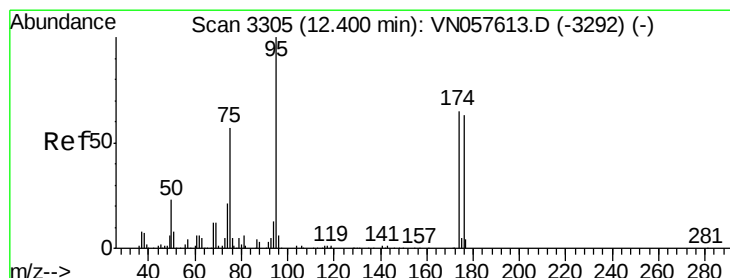
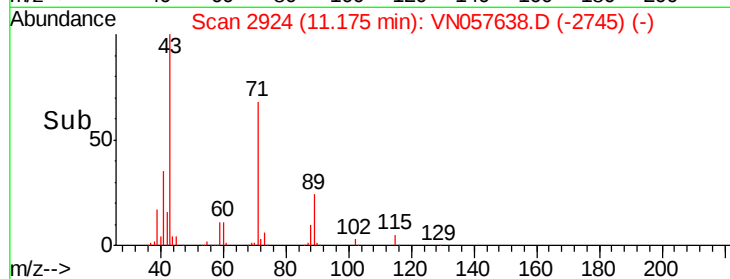
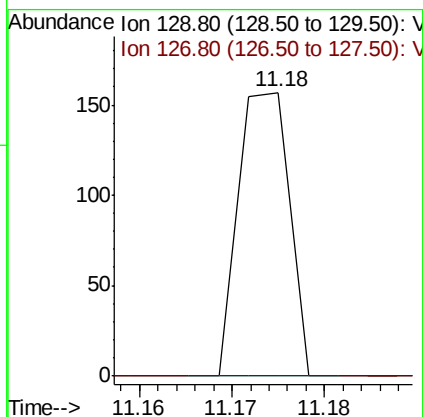
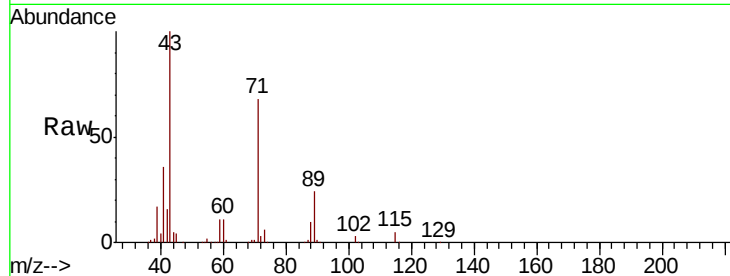




#60
 Dibromochloromethane
 Concen: 3.563 ug/l
 RT: 11.18 min Scan# 2924
 Delta R.T. 0.28 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

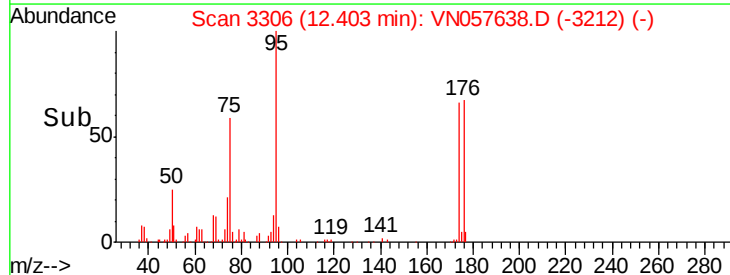
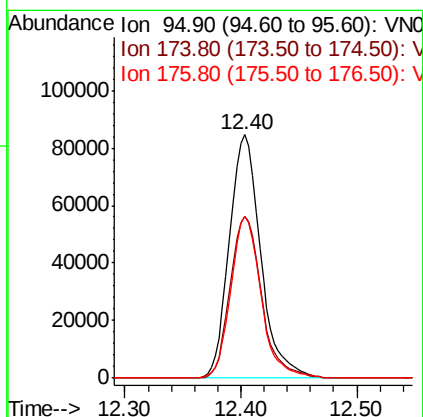
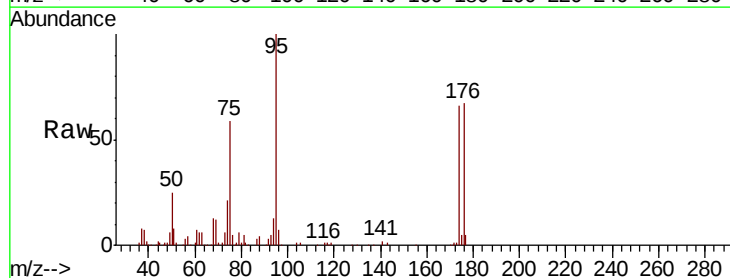
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

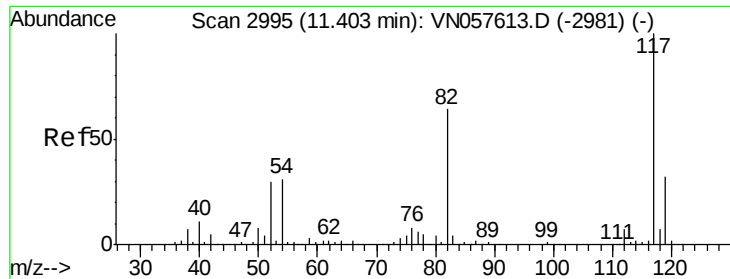
Tgt Ion: 129 Resp: 60
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



#62
 4-Bromofluorobenzene
 Concen: 38.006 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 95 Resp: 158648
 Ion Ratio Lower Upper
 95 100
 174 66.6 0.0 134.8
 176 63.9 0.0 131.6

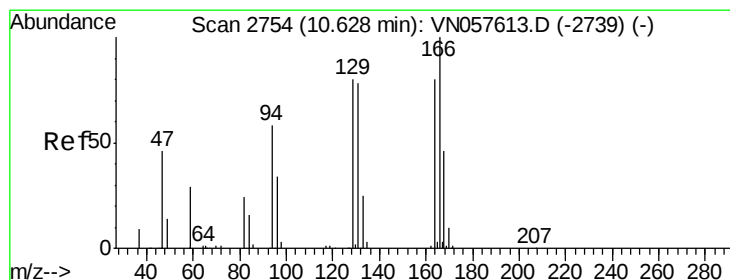
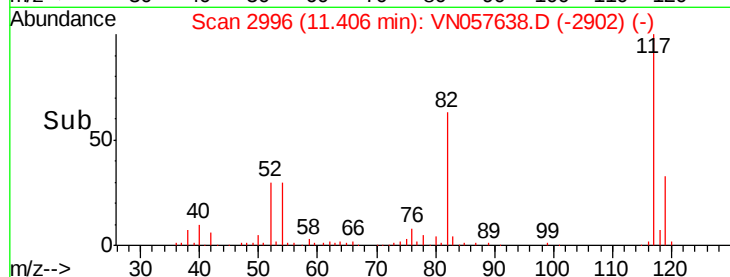
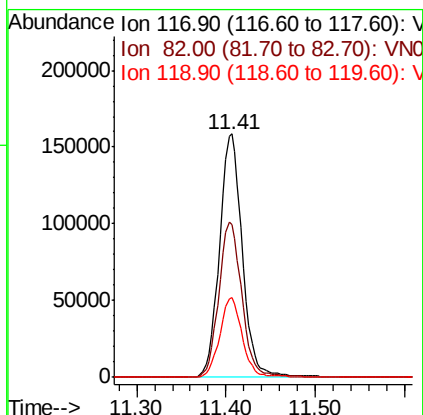
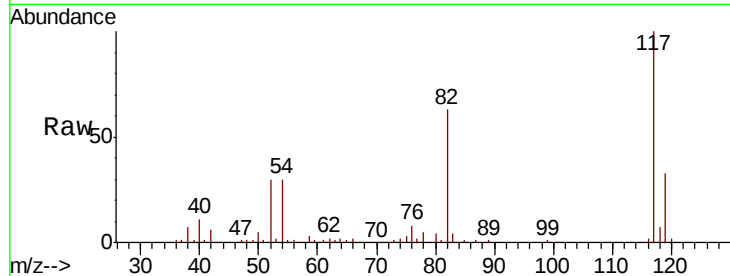




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

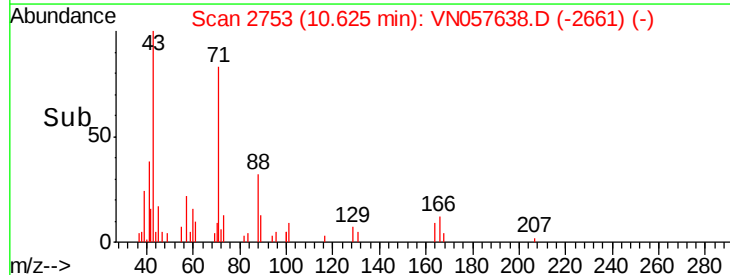
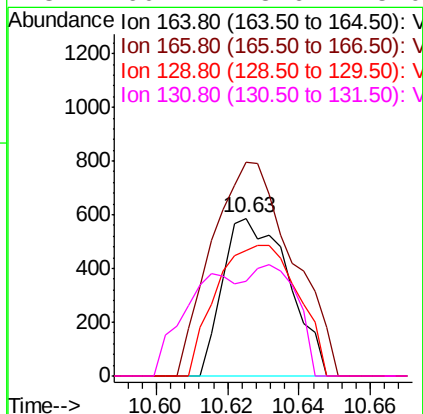
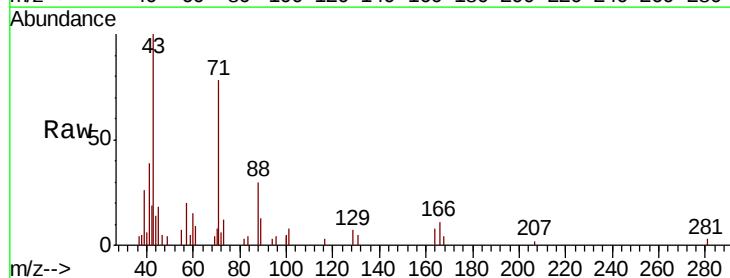
Instrument :
MSVOA_N
ClientSampled :
SB-4-28-30

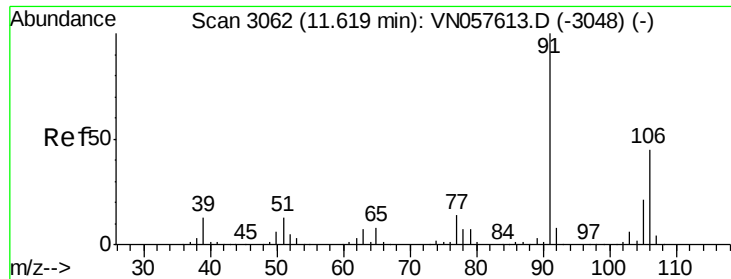
Tgt Ion:117 Resp: 281041
Ion Ratio Lower Upper
117 100
82 62.9 51.6 77.4
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 0.306 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion:164 Resp: 745
Ion Ratio Lower Upper
164 100
166 135.4 100.6 151.0
129 79.2 80.4 120.6#
131 60.1 78.6 118.0#

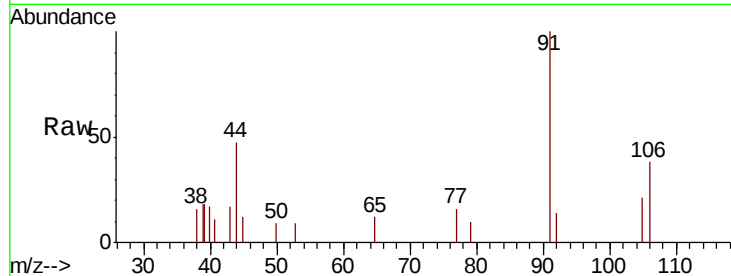




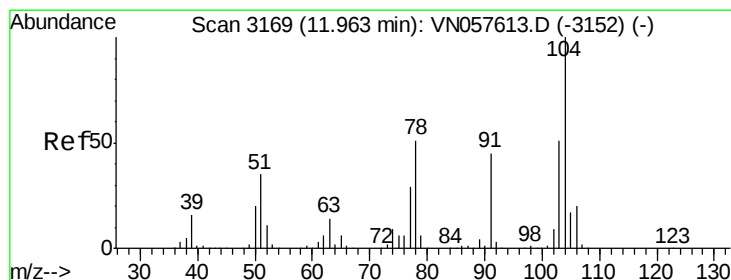
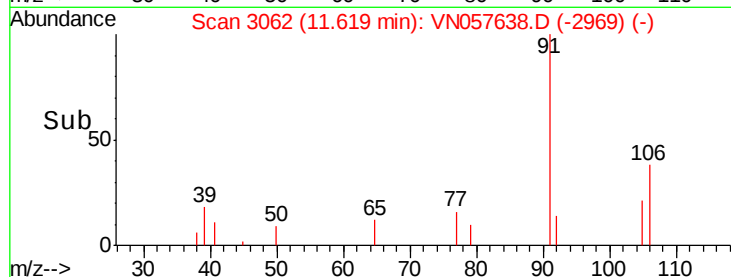
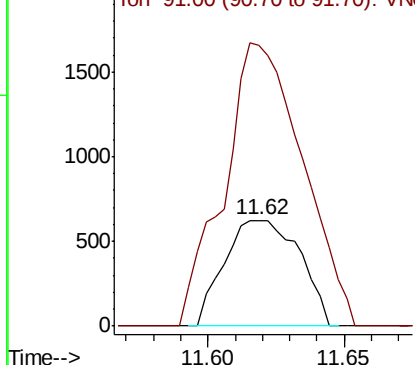
#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Instrument :
MSVOA_N
ClientSampled :
SB-4-28-30

Tgt Ion:106 Resp: 1202
Ion Ratio Lower Upper
106 100
91 278.3 176.2 264.2#

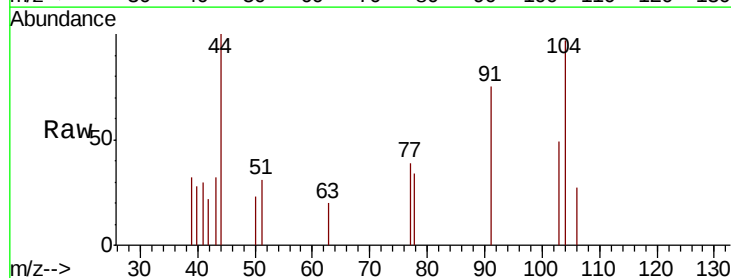


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

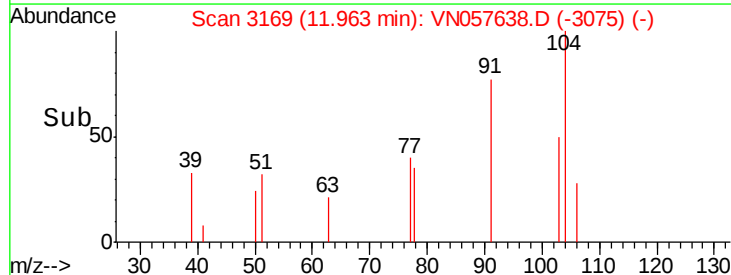
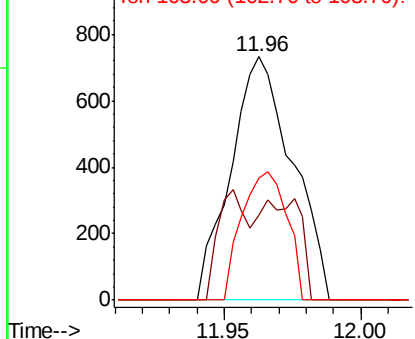


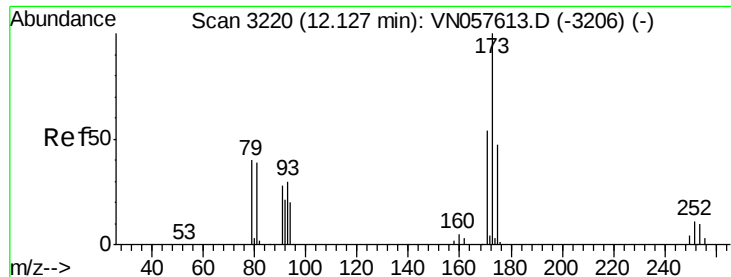
#70
Styrene
Concen: 2.713 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion:104 Resp: 1149
Ion Ratio Lower Upper
104 100
78 22.0 46.6 70.0#
103 38.5 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

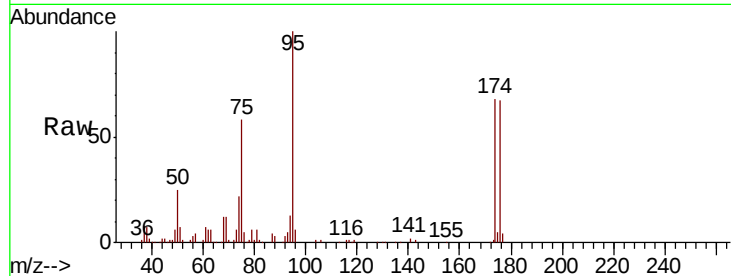




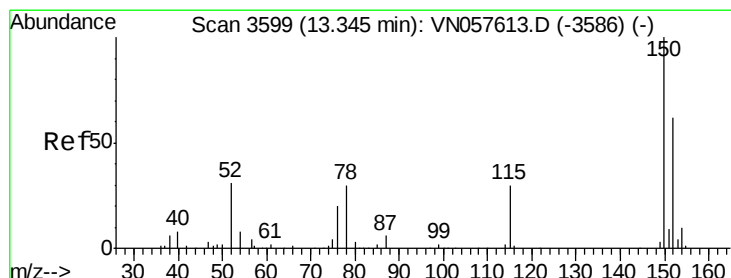
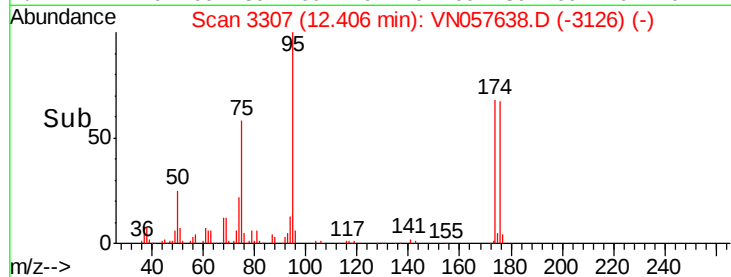
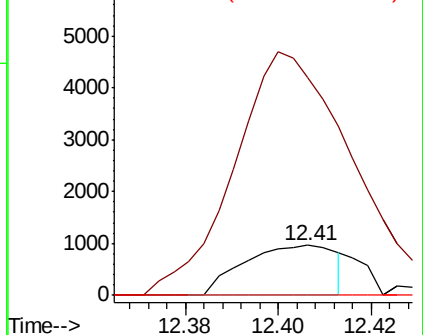
#71
Bromoform
Concen: 6.854 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Instrument :
MSVOA_N
ClientSampled :
SB-4-28-30

Tgt Ion:173 Resp: 1324
Ion Ratio Lower Upper
173 100
175 503.1 24.4 73.4#
254 0.0 0.0 0.0

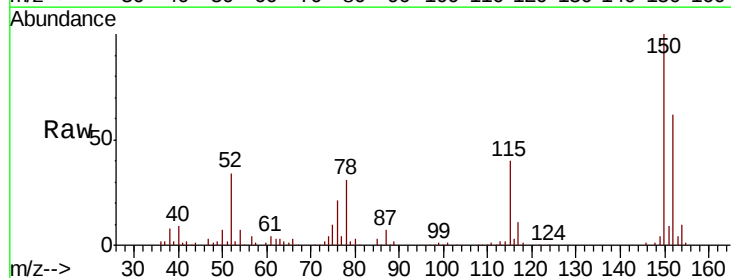


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

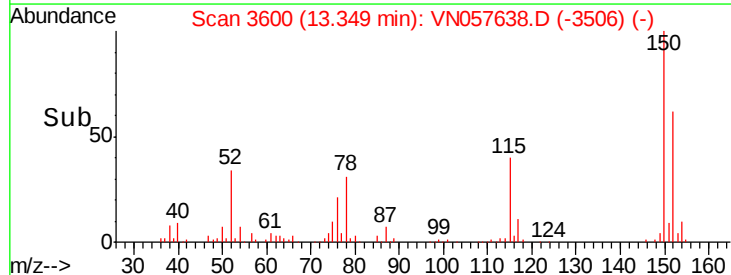
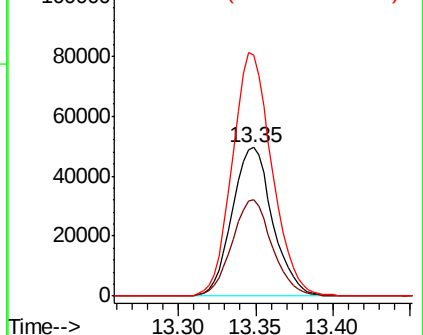


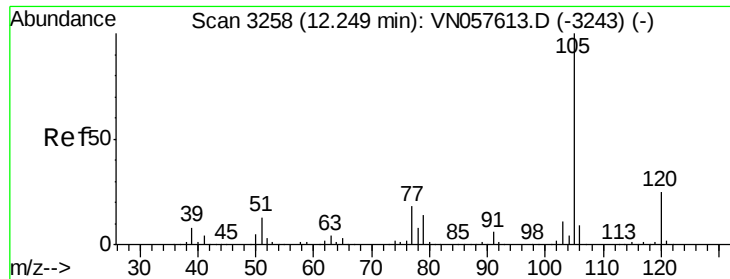
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion:152 Resp: 89891
Ion Ratio Lower Upper
152 100
115 64.8 33.2 99.6
150 161.0 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





#73

Isopropylbenzene

Concen: 0.207 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampleId :

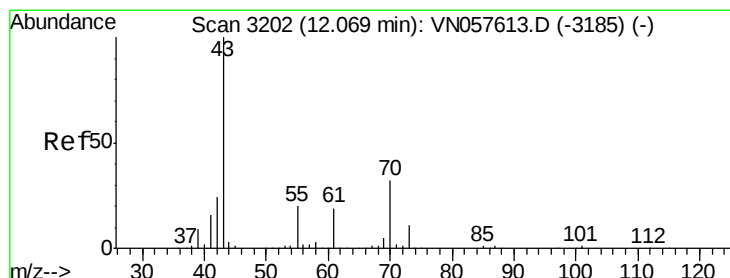
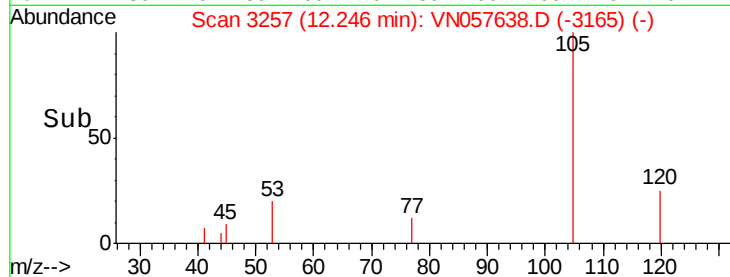
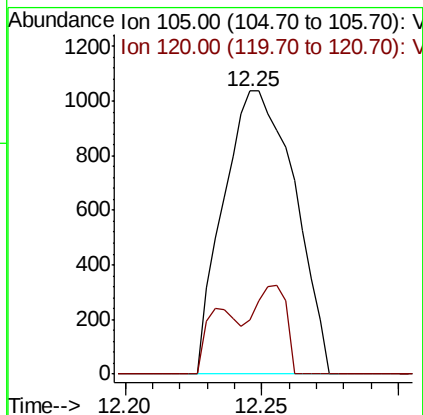
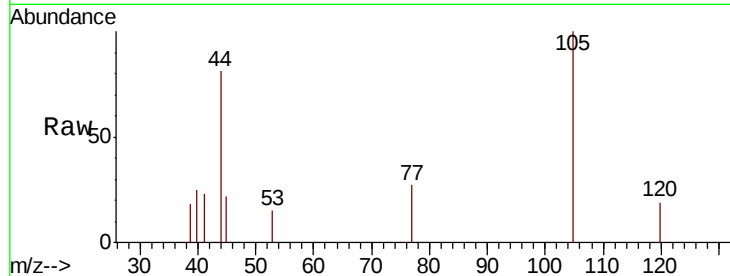
SB-4-28-30

Tgt Ion: 105 Resp: 1881

Ion Ratio Lower Upper

105 100

120 14.1 12.7 38.1



#74

N-ethyl acetate

Concen: 0.614 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Tgt Ion: 43 Resp: 2628

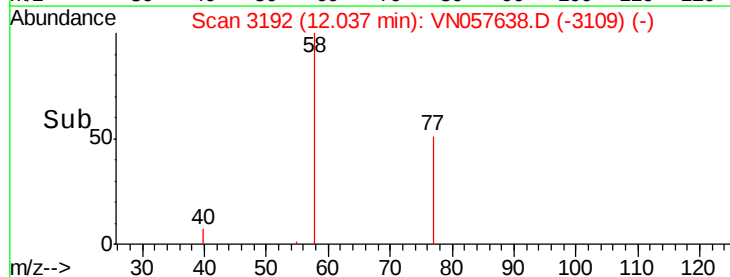
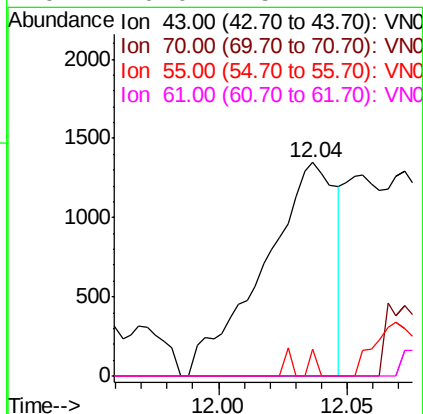
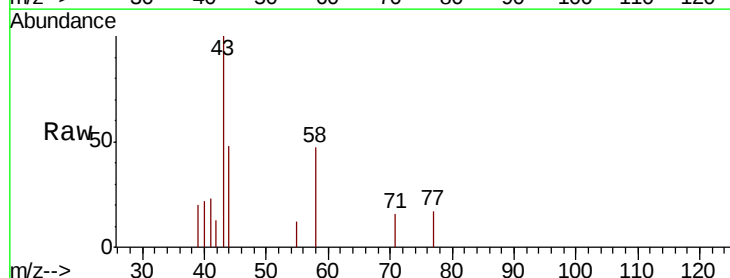
Ion Ratio Lower Upper

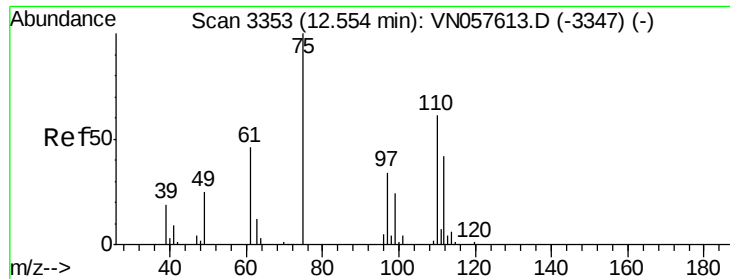
43 100

70 0.0 26.9 40.3#

55 0.0 16.8 25.2#

61 0.0 15.1 22.7#

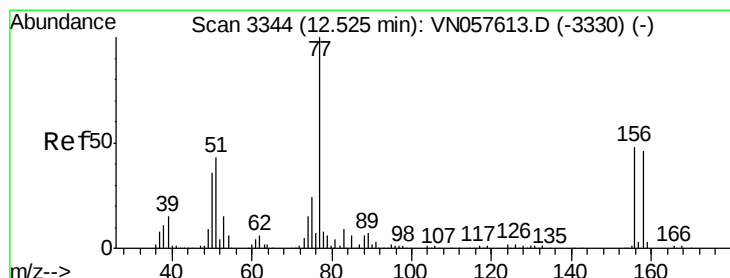
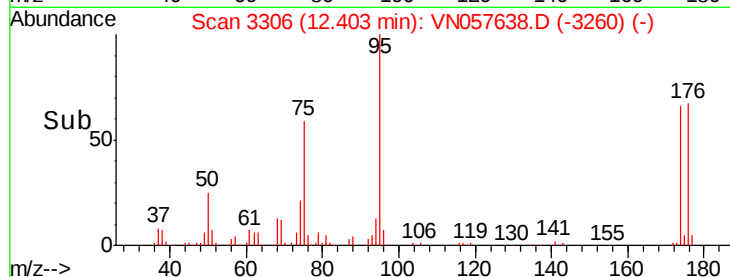
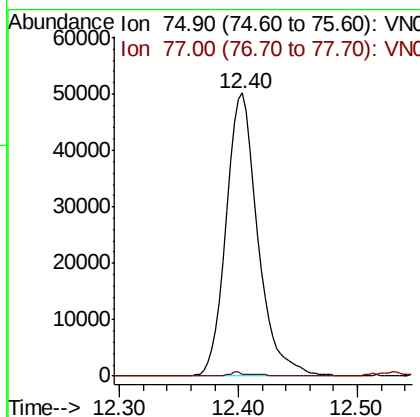
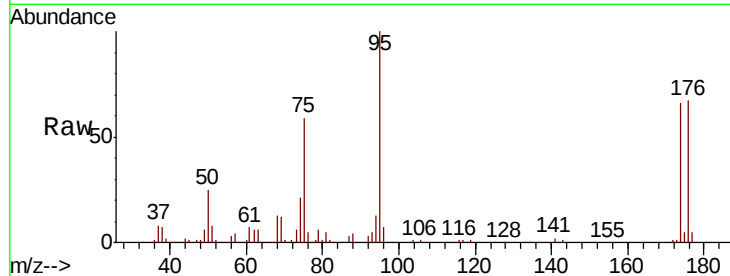




#76
 1,2,3-Trichloropropane
 Concen: 39.223 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

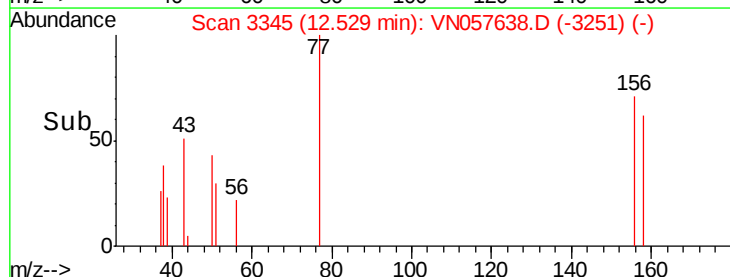
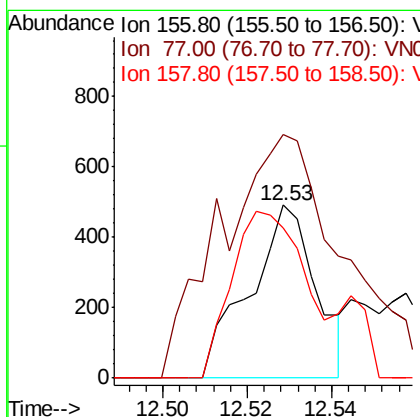
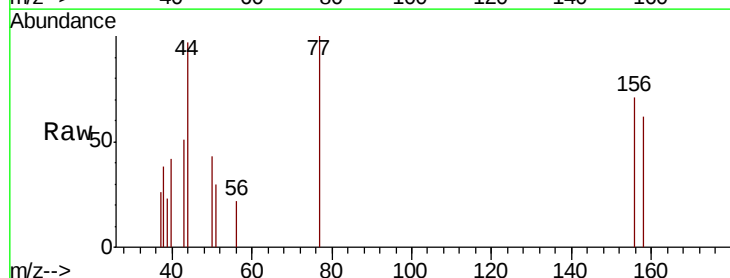
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

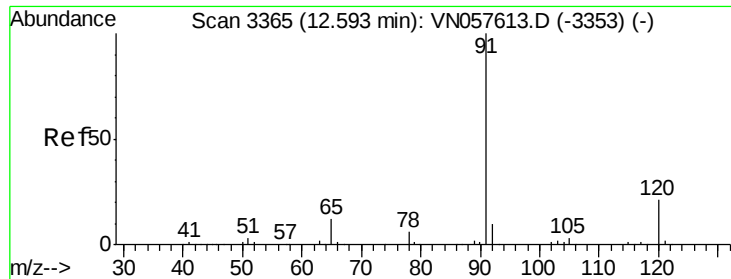
Tgt Ion: 75 Resp: 92745
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.277 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 156 Resp: 536
 Ion Ratio Lower Upper
 156 100
 77 257.1 123.5 370.5
 158 106.5 47.8 143.3

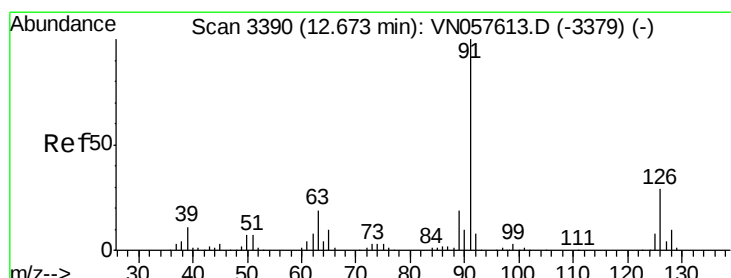
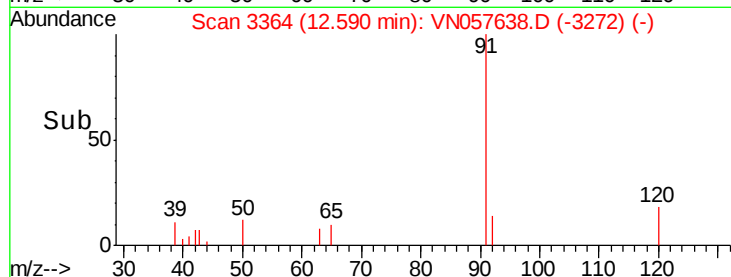
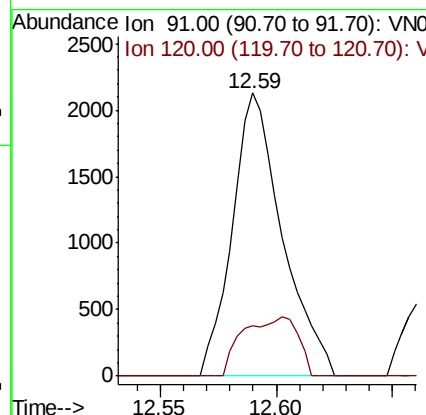
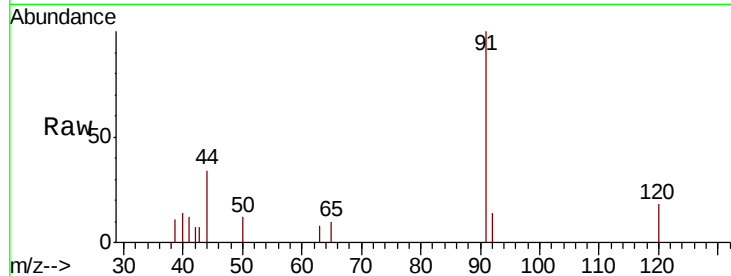




#78
n-propylbenzene
Concen: 0.315 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

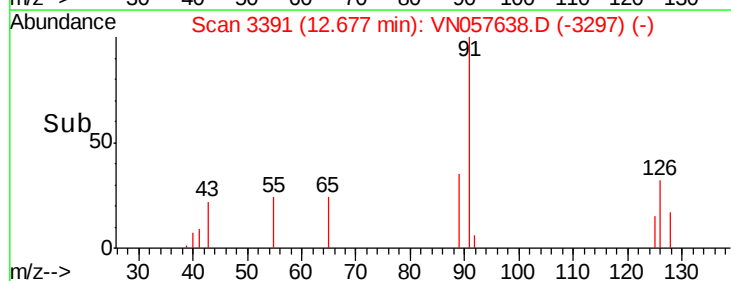
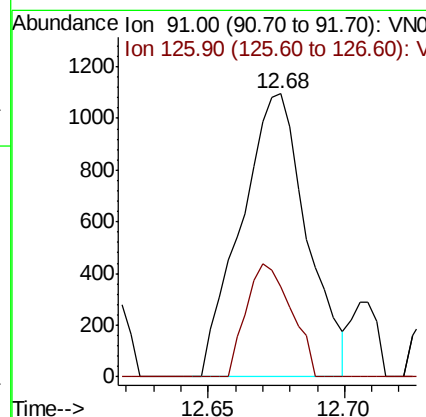
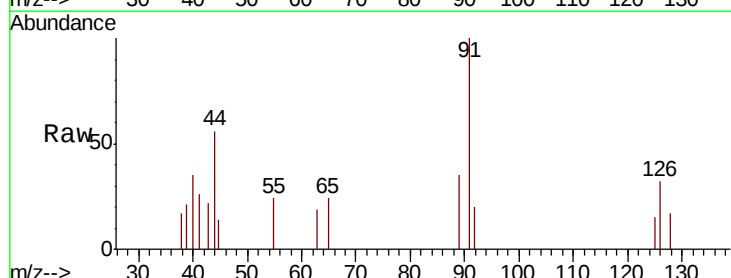
Instrument :
MSVOA_N
ClientSampleId :
SB-4-28-30

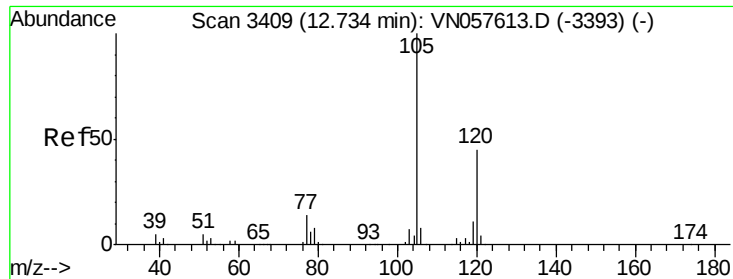
Tgt Ion: 91 Resp: 3185
Ion Ratio Lower Upper
91 100
120 22.9 10.4 31.4



#79
2-Chlorotoluene
Concen: 0.291 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion: 91 Resp: 1830
Ion Ratio Lower Upper
91 100
126 27.3 14.9 44.5

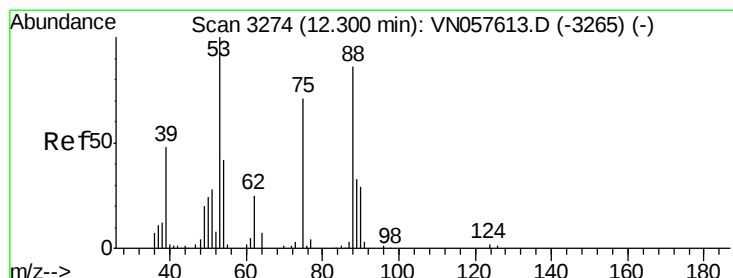
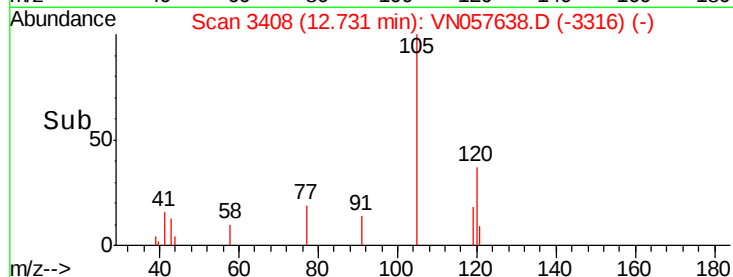
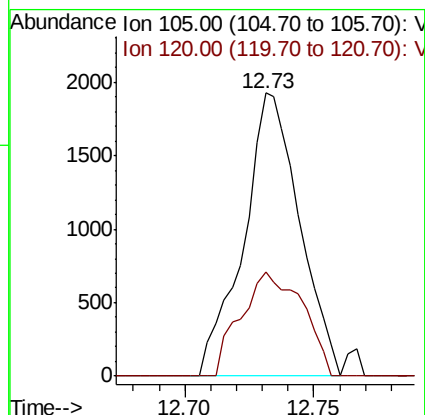
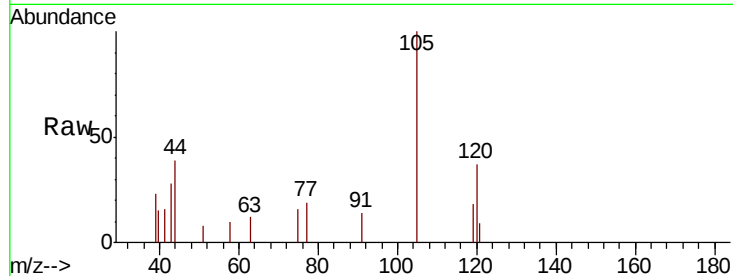




#80
 1,3,5-Trimethylbenzene
 Concen: 0.392 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

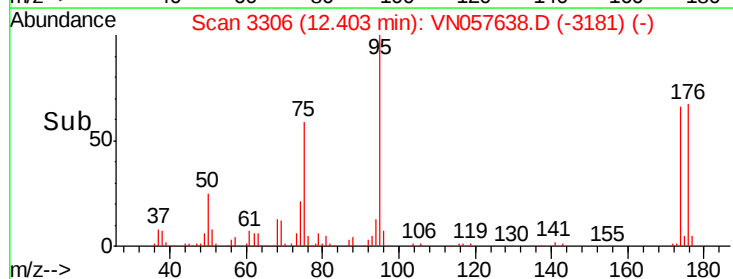
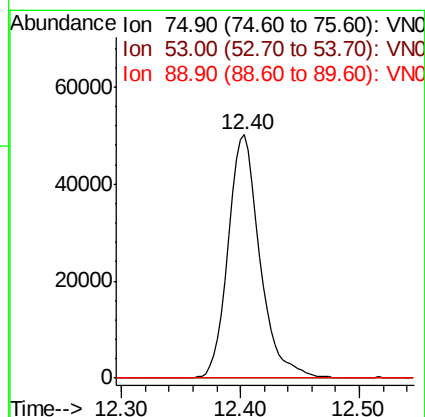
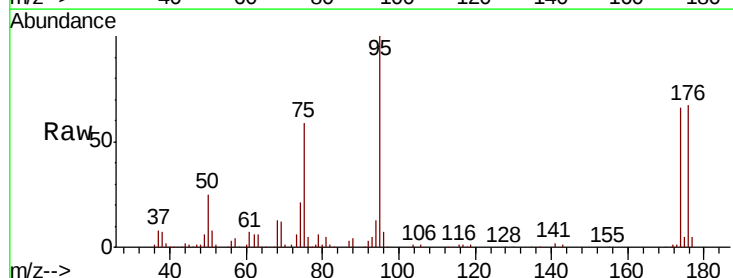
Instrument :
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 ClientSampleId :
 SB-4-28-30

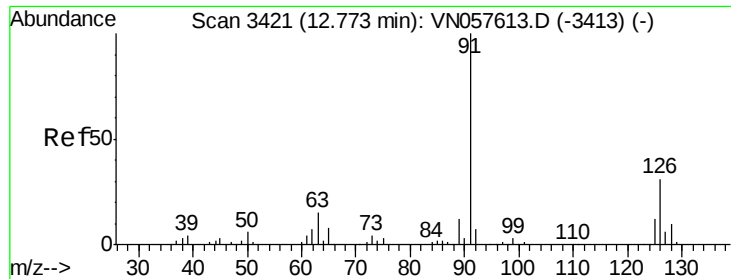
Tgt Ion: 105 Resp: 2930
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.6 67.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.450 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 75 Resp: 92745
 Ion Ratio Lower Upper
 75 100
 53 0.0 111.0 166.6#
 89 0.0 38.3 57.5#

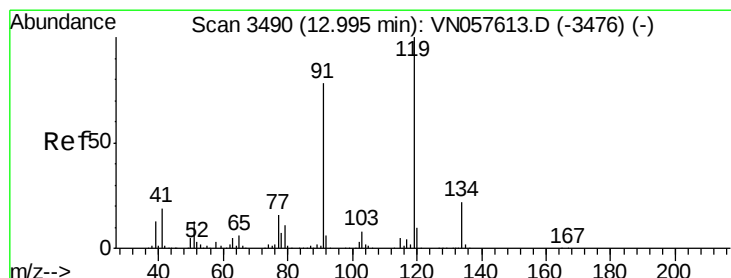
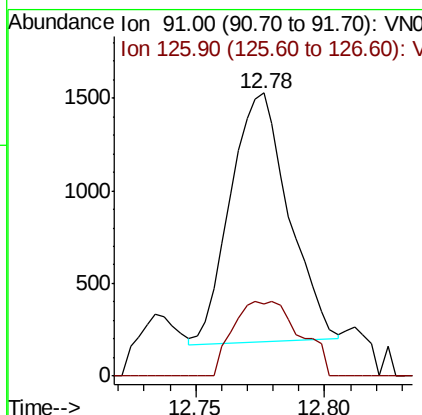
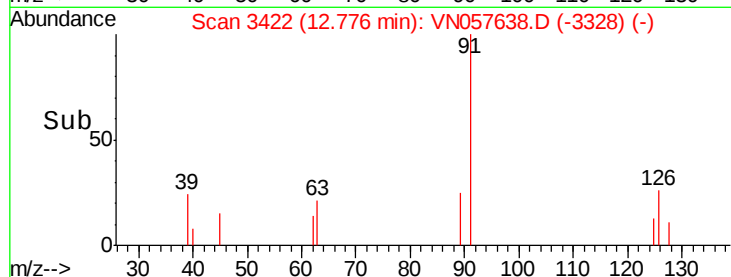
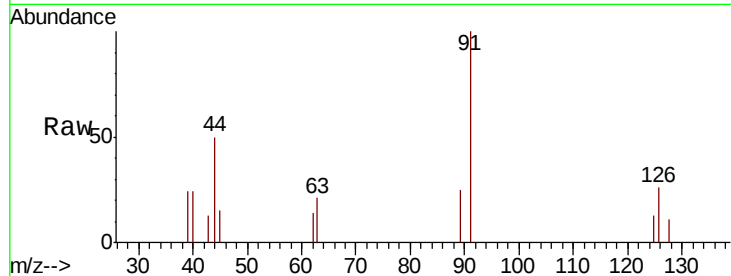




#82
 4-Chlorotoluene
 Concen: 0.338 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

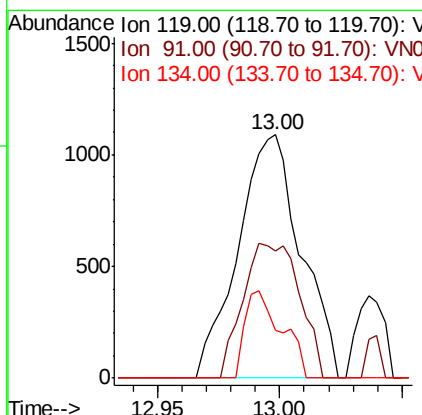
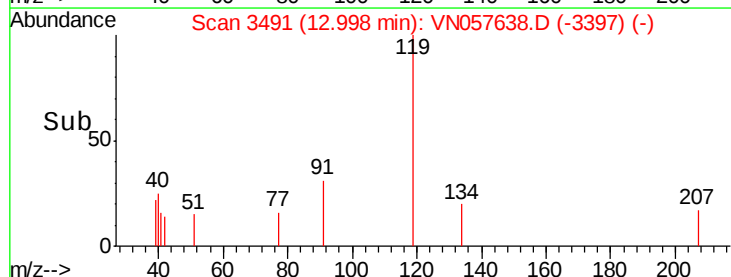
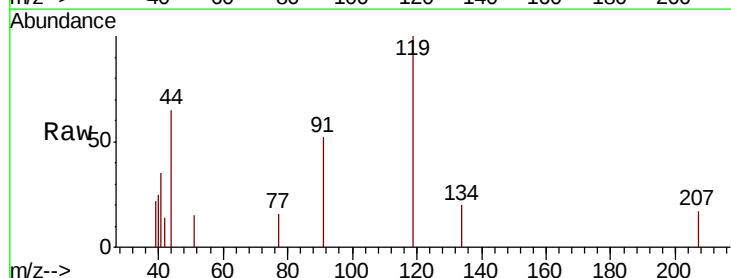
Instrument :
 MSVOA_N
 ClientSampled :
 SB-4-28-30

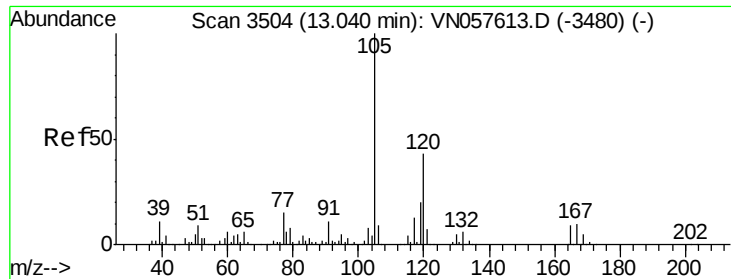
Tgt Ion: 91 Resp: 2107
 Ion Ratio Lower Upper
 91 100
 126 34.6 14.4 43.2



#83
 tert-Butylbenzene
 Concen: 0.307 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 119 Resp: 1948
 Ion Ratio Lower Upper
 119 100
 91 49.8 38.3 114.9
 134 20.8 11.3 33.8

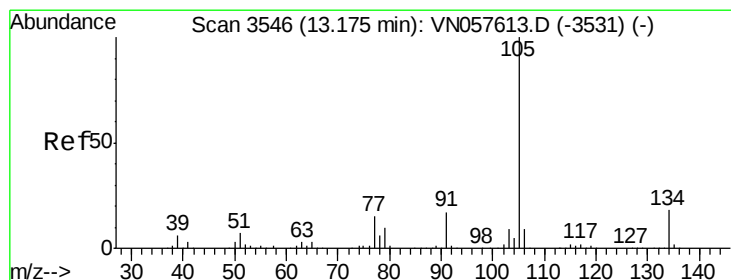
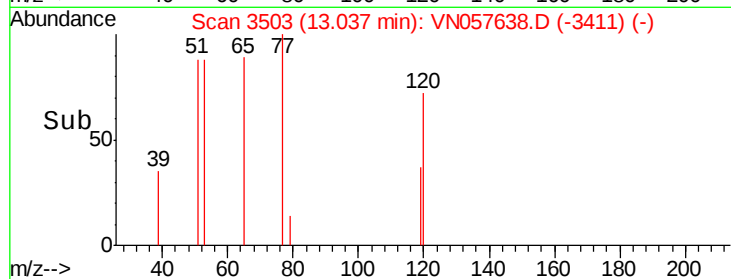
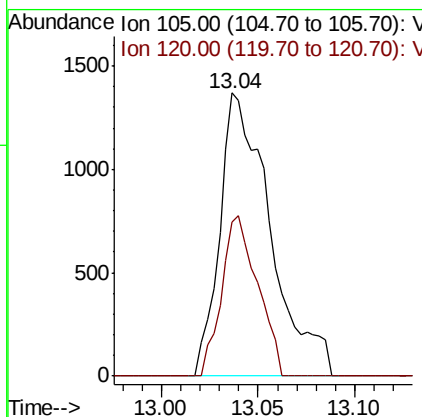
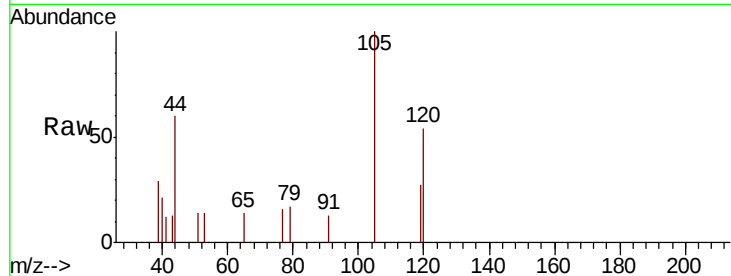




#84
1,2,4-Trimethylbenzene
Concen: 0.346 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

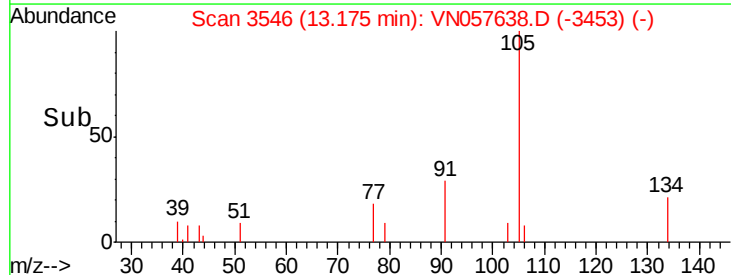
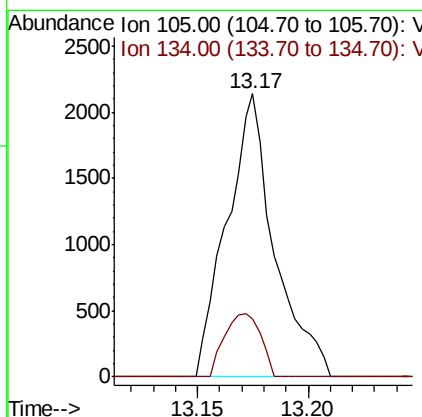
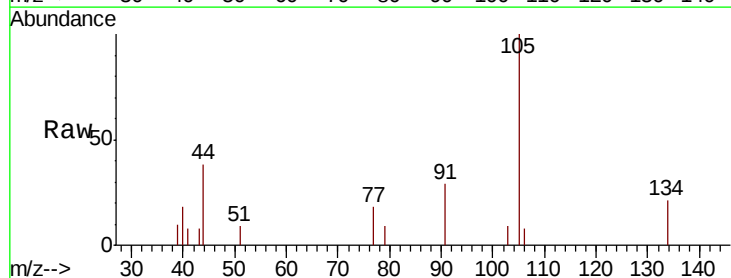
Instrument :
MSVOA_N
ClientSampled :
SB-4-28-30

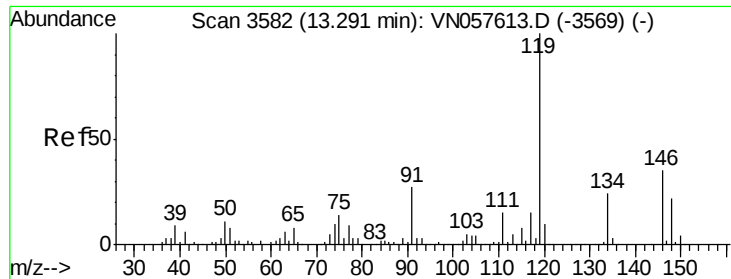
Tgt Ion:105 Resp: 2497
Ion Ratio Lower Upper
105 100
120 40.2 20.8 62.5



#85
sec-Butylbenzene
Concen: 0.376 ug/l
RT: 13.17 min Scan# 3546
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion:105 Resp: 3205
Ion Ratio Lower Upper
105 100
134 17.0 8.9 26.8

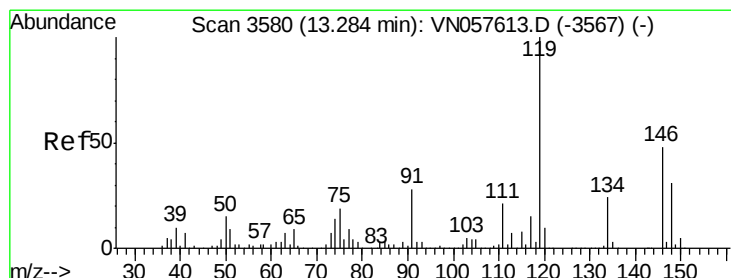
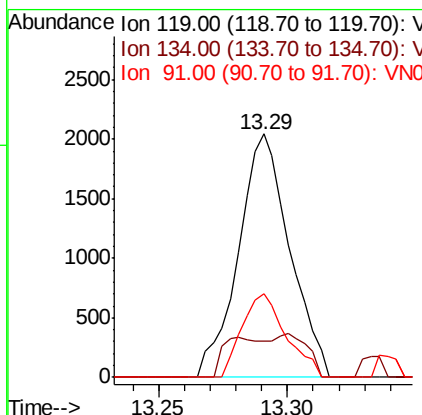
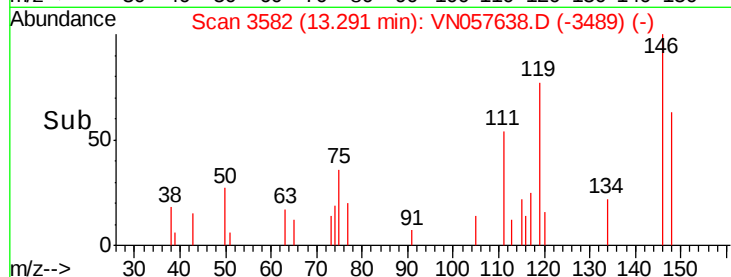
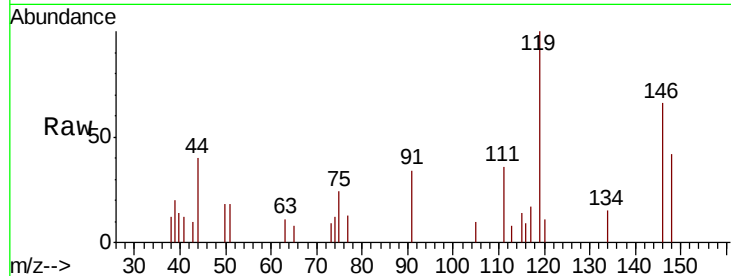




#86
p-Isopropyltoluene
Concen: 0.401 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

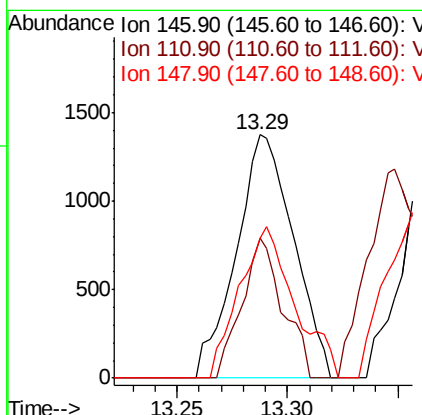
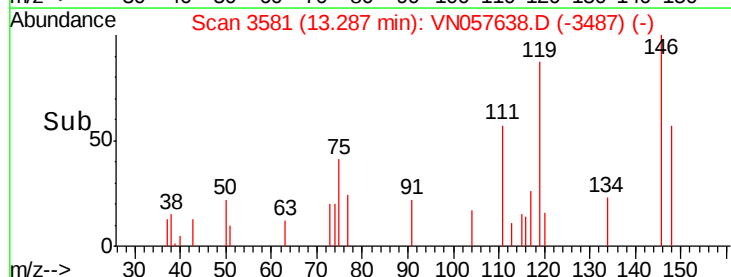
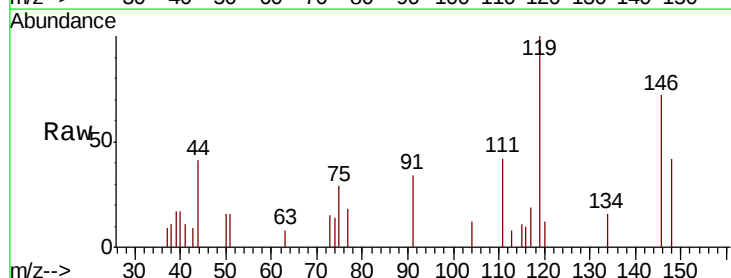
Instrument :
MSVOA_N
ClientSampled :
SB-4-28-30

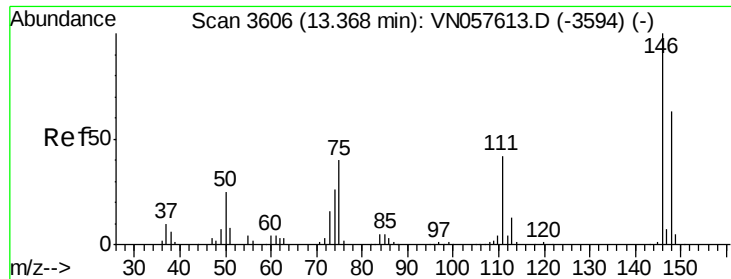
Tgt Ion:119 Resp: 2826
Ion Ratio Lower Upper
119 100
134 12.6 11.9 35.5
91 29.5 13.7 41.0



#87
1,3-Dichlorobenzene
Concen: 0.786 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN057638.D
Acq: 1 Sep 2019 12:40

Tgt Ion:146 Resp: 2474
Ion Ratio Lower Upper
146 100
111 41.0 21.8 65.3
148 59.8 31.4 94.2

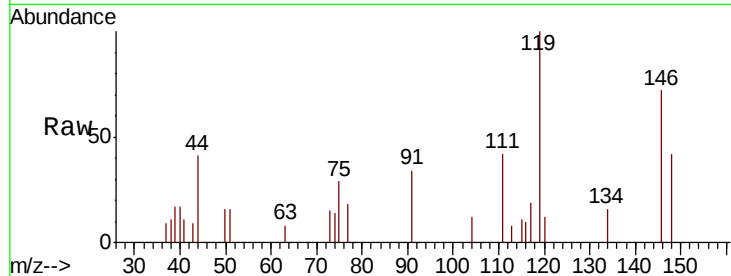




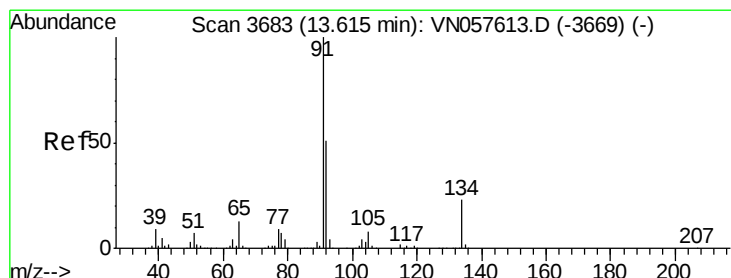
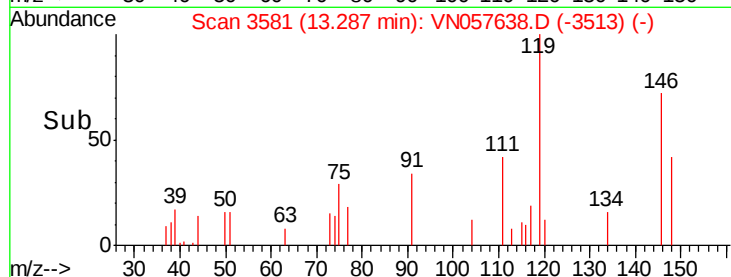
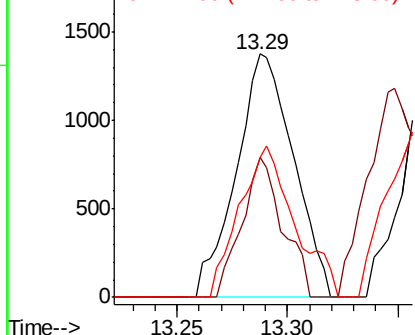
#88
 1,4-Dichlorobenzene
 Concen: 0.814 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

Tgt Ion: 146 Resp: 2474
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.6 65.0
 148 59.8 32.2 96.6

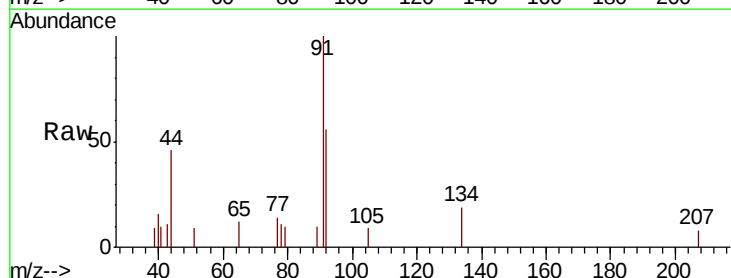


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

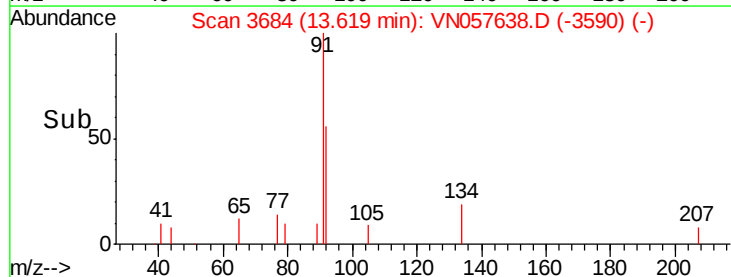
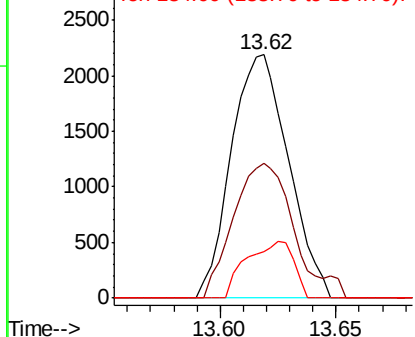


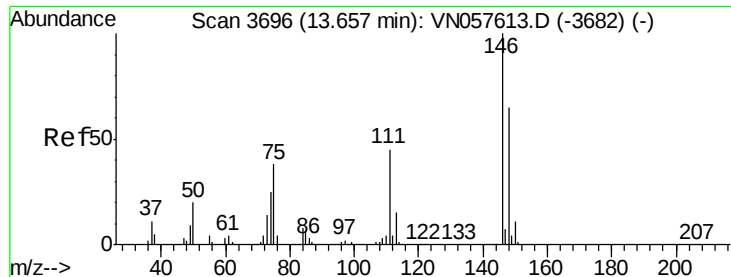
#89
 n-Butylbenzene
 Concen: 0.568 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion: 91 Resp: 3752
 Ion Ratio Lower Upper
 91 100
 92 58.5 25.4 76.0
 134 19.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V

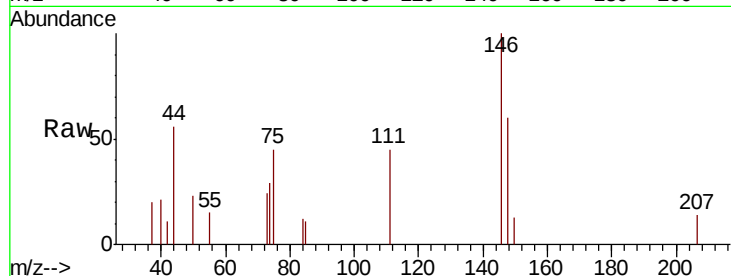




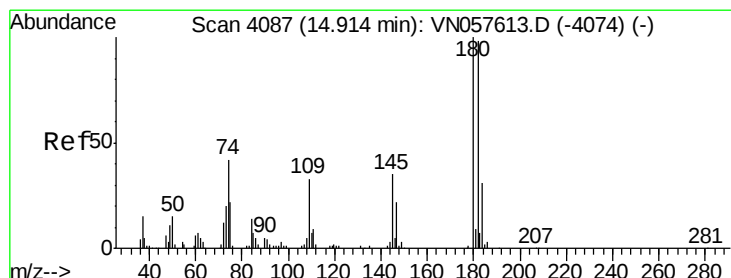
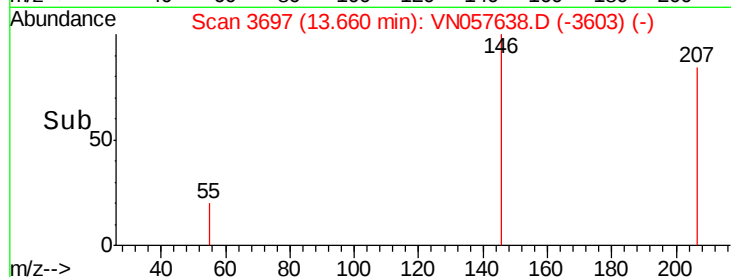
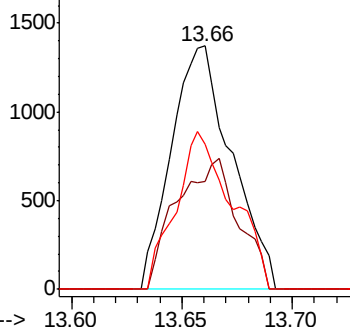
#91
 1,2-Dichlorobenzene
 Concen: 0.868 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

Tgt Ion:146 Resp: 2607
 Ion Ratio Lower Upper
 146 100
 111 54.8 22.1 66.5
 148 60.3 31.6 94.7

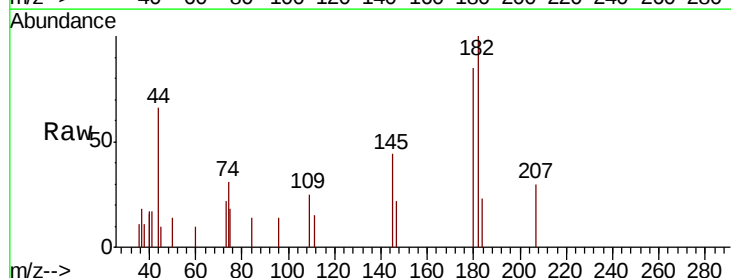


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

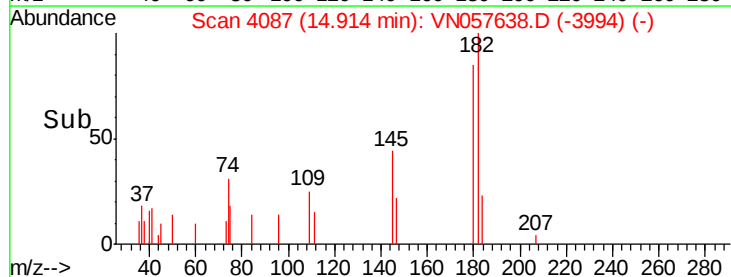
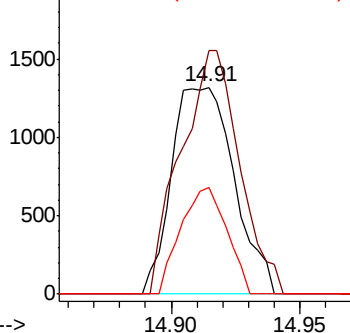


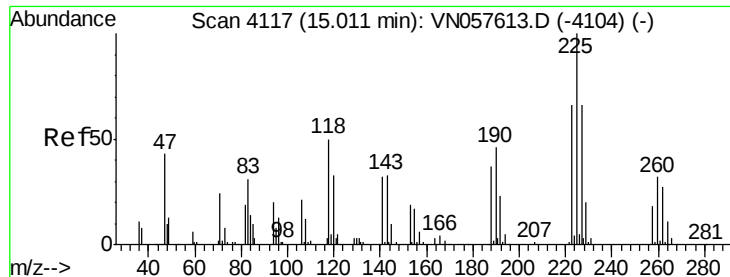
#93
 1,2,4-Trichlorobenzene
 Concen: 9.721 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Tgt Ion:180 Resp: 2226
 Ion Ratio Lower Upper
 180 100
 182 110.3 47.8 143.3
 145 38.0 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.695 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

Instrument :

MSVOA_N

ClientSampled :

SB-4-28-30

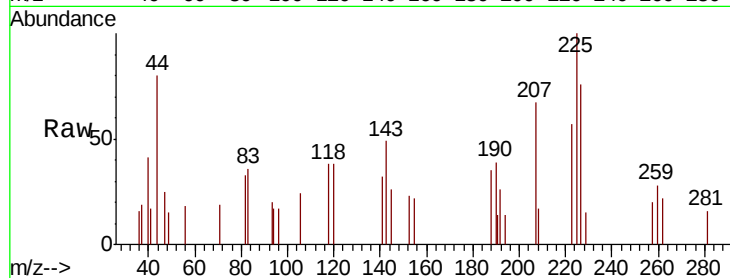
Tgt Ion:225 Resp: 1747

Ion Ratio Lower Upper

225 100

223 60.6 32.3 96.8

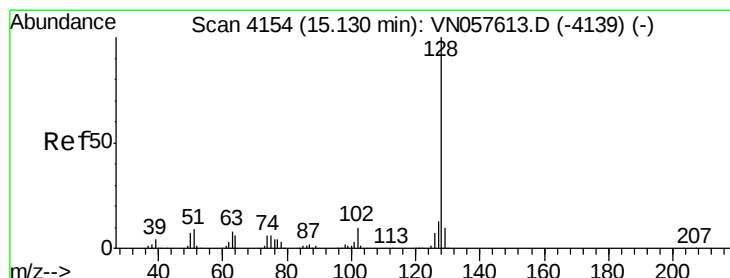
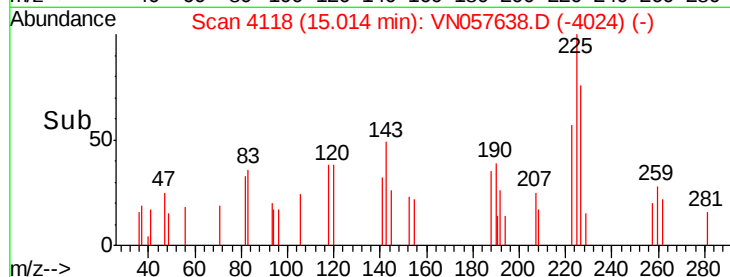
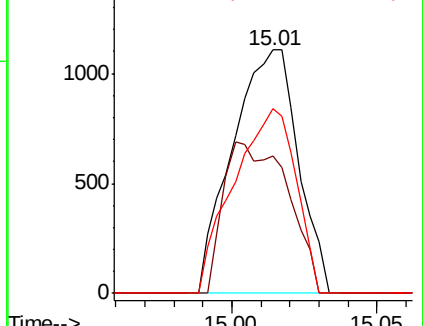
227 71.8 32.4 97.2



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: 7.863 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057638.D

Acq: 1 Sep 2019 12:40

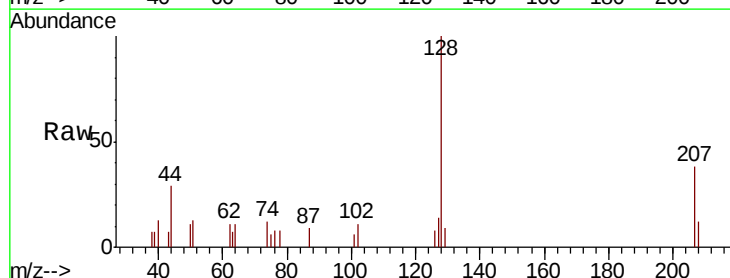
Tgt Ion:128 Resp: 4302

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

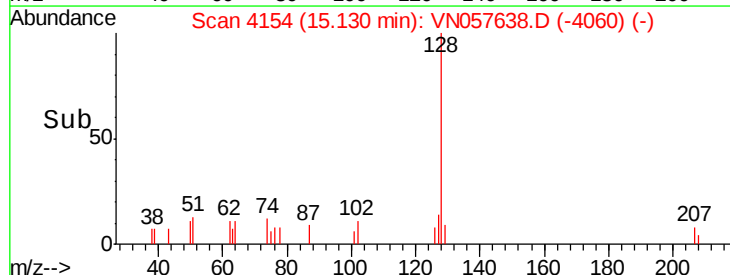
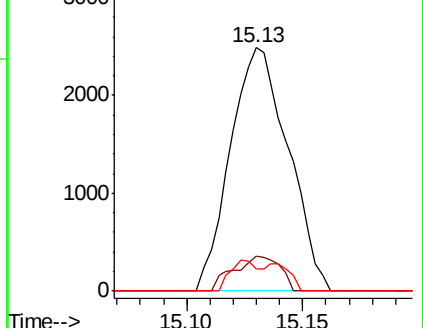
129 6.6 8.6 12.8#

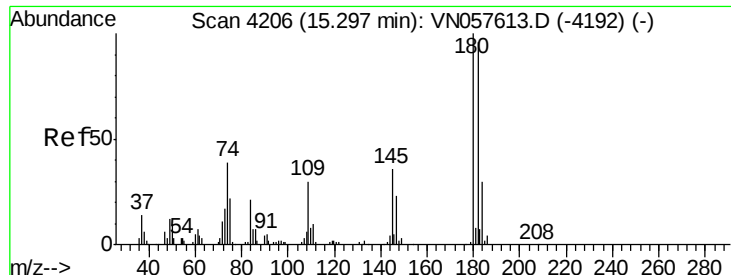


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 9.143 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057638.D
 Acq: 1 Sep 2019 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-4-28-30

Tgt Ion:180 Resp: 2129
 Ion Ratio Lower Upper
 180 100
 182 97.3 46.3 138.9
 145 32.3 17.8 53.3

