

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058033.D
 Acq On : 13 Sep 2019 21:35
 Operator : JC/SP
 Sample : K4694-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-1-(1.5)

Quant Time: Sep 14 03:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	314457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	530840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254535	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	336235	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.57	113	232367	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.09	98	890399	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.40	95	306364	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

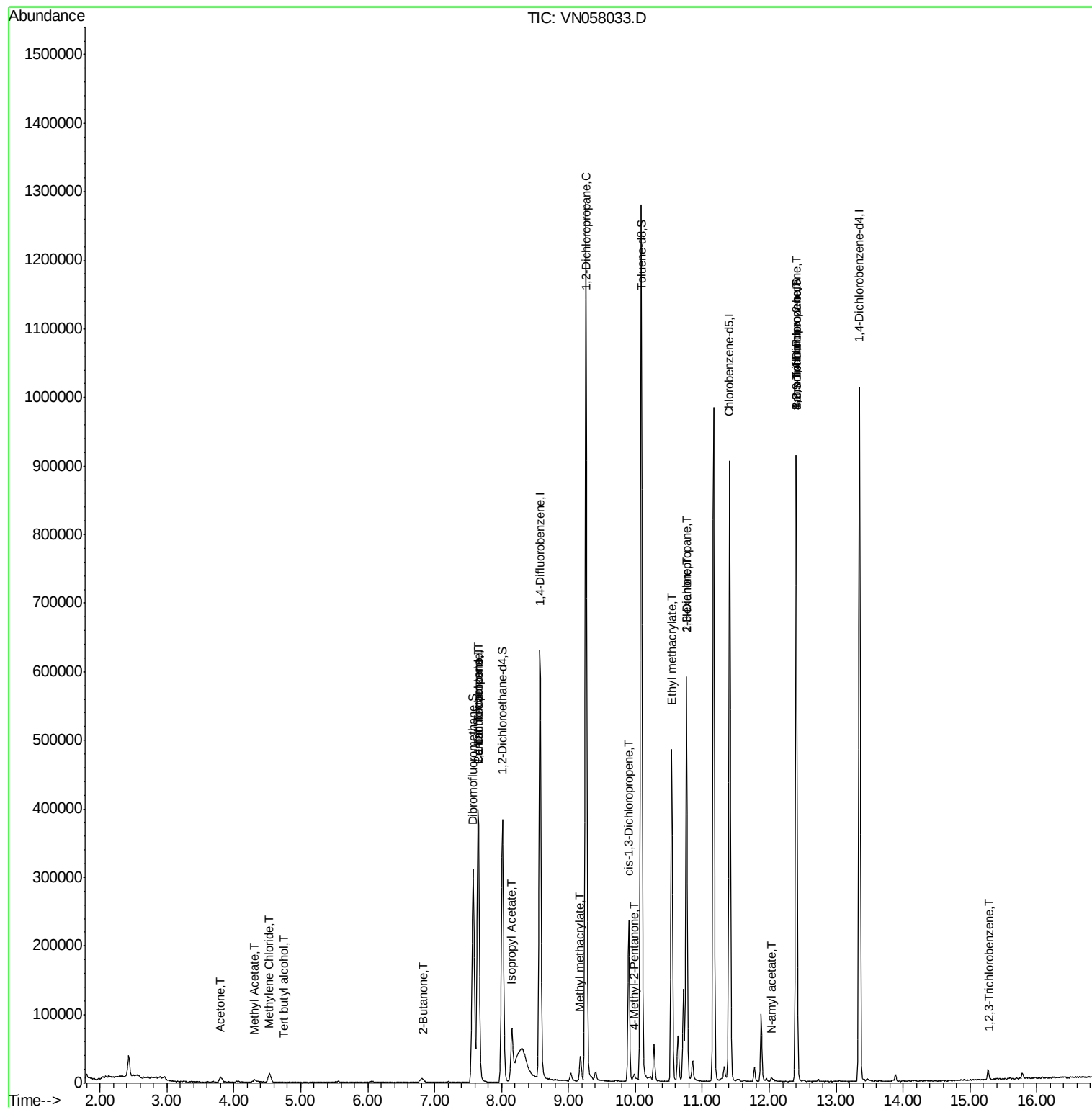
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	416	Below Cal	#	46
11) Tert butyl alcohol	4.75	59	308	0.400	ug/l #	72
16) Acetone	3.80	43	13126	6.287	ug/l #	78
18) Methyl Acetate	4.30	43	6662	1.197	ug/l #	79
20) Methylene Chloride	4.53	84	8862	1.024	ug/l	96
25) 2-Butanone	6.83	43	2757	0.912	ug/l	94
31) Cyclohexane	7.65	56	7612	Below Cal	#	8
36) 1,1-Dichloropropene	7.65	75	27796	4.515	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32851	5.845	ug/l #	16
43) Isopropyl Acetate	8.15	43	101935	9.530	ug/l #	84
45) 1,2-Dichloropropane	9.26	63	1407	0.261	ug/l #	44
48) Methyl methacrylate	9.18	41	4707	0.867	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	7706	1.217	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	38563	5.097	ug/l #	65
56) Ethyl methacrylate	10.55	69	1840	0.247	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5227	0.613	ug/l #	43
59) 2-Hexanone	10.76	43	91724	19.333	ug/l #	53
71) Bromoform	12.40	173	898	0.321	ug/l #	1
74) N-amyl acetate	12.03	43	3292	0.383	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	169441	29.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169441	103.554	ug/l #	6
95) Naphthalene	15.13	128	1442	Below Cal	#	87
96) 1,2,3-Trichlorobenzene	15.30	180	155	1.028	ug/l #	65

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 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: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampleId :

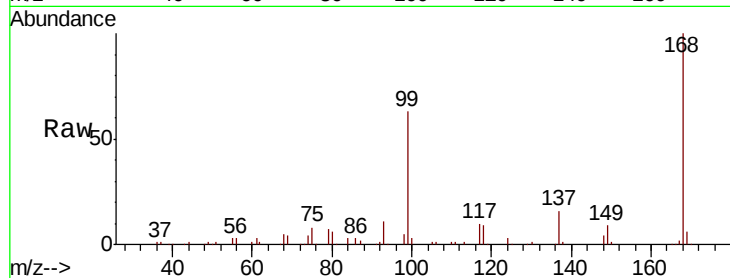
T1-1-(1.5)

Tgt Ion:168 Resp: 314457

Ion Ratio Lower Upper

168 100

99 62.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

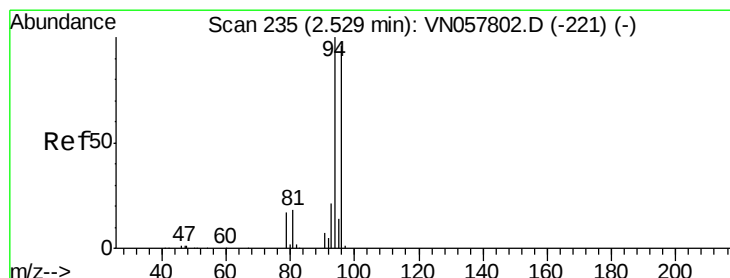
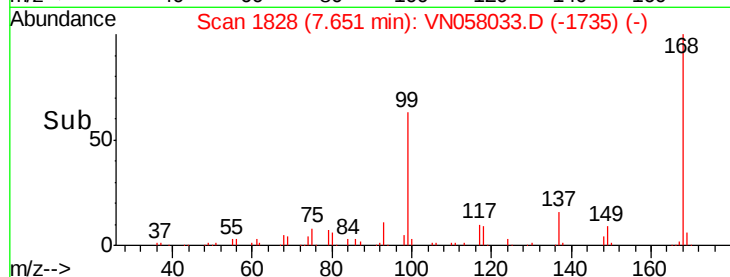
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. 0.03 min

Lab File: VN058033.D

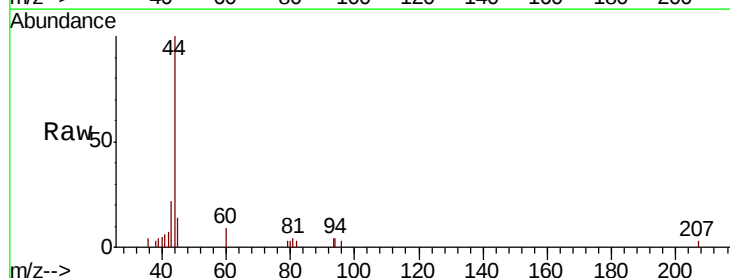
Acq: 13 Sep 2019 21:35

Tgt Ion: 94 Resp: 416

Ion Ratio Lower Upper

94 100

96 43.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.56

400

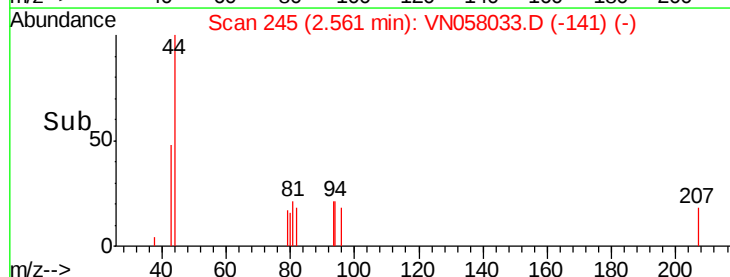
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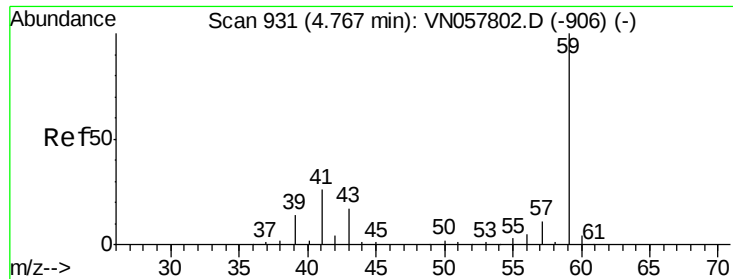
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100

0

Time-->

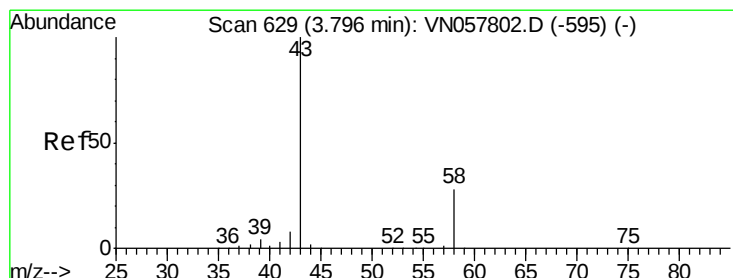
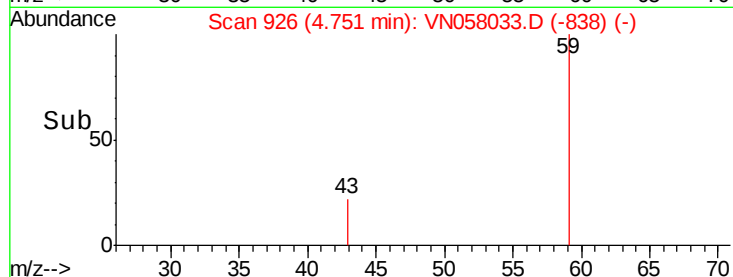
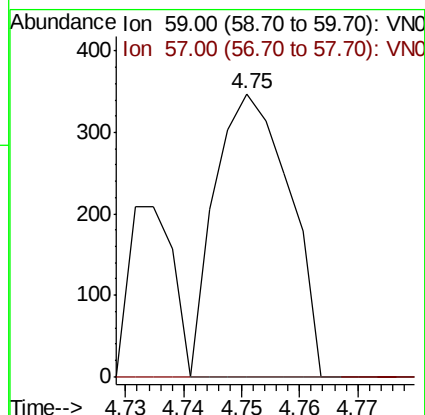
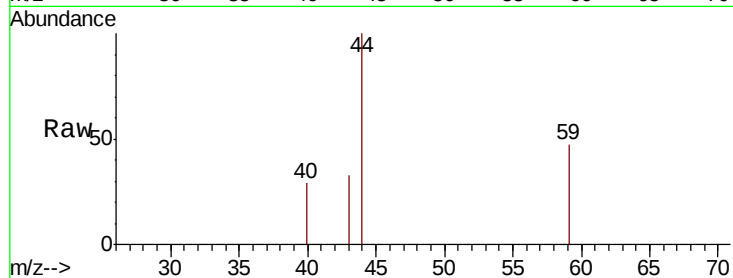




#11
Tert butyl alcohol
Concen: 0.400 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.02 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

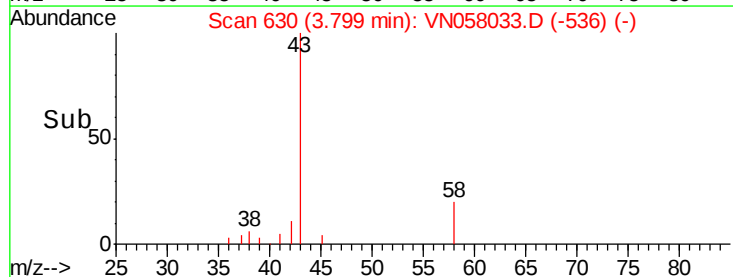
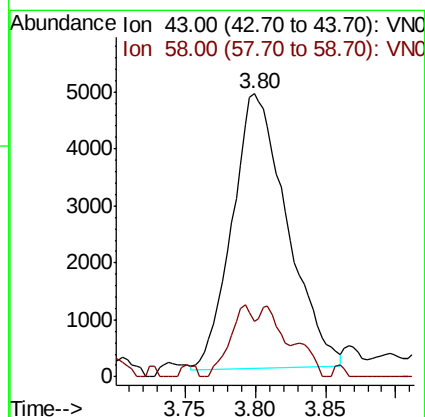
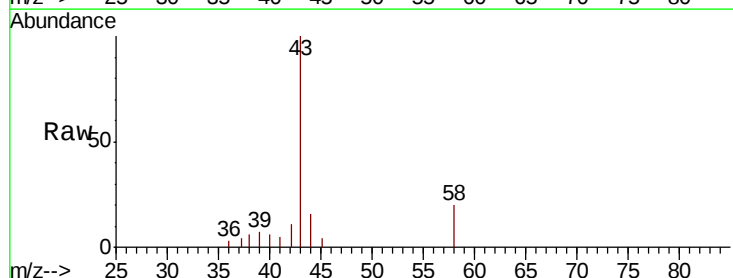
Instrument :
MSVOA_N
ClientSampled :
T1-1-(1.5)

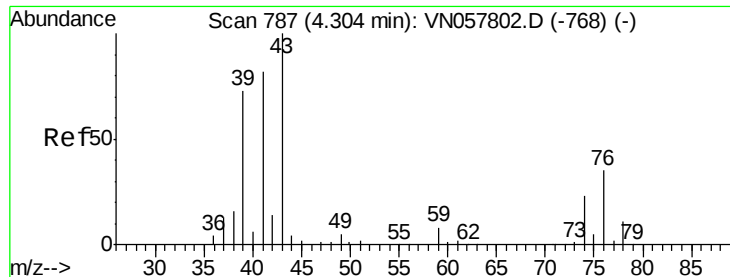
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 6.287 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Tgt Ion: 43 Resp: 13126
Ion Ratio Lower Upper
43 100
58 16.3 22.2 33.2#

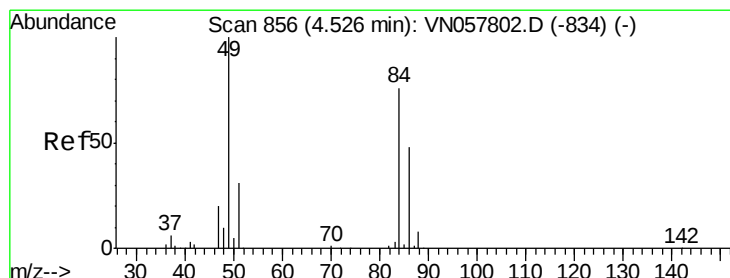
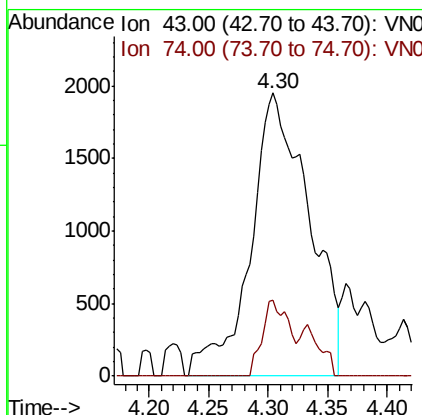
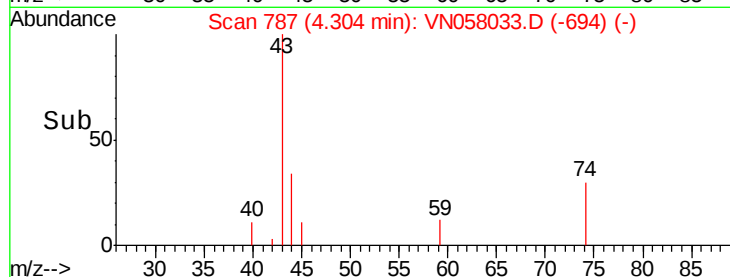
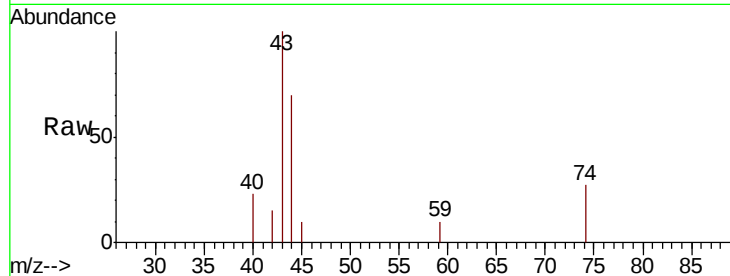




#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

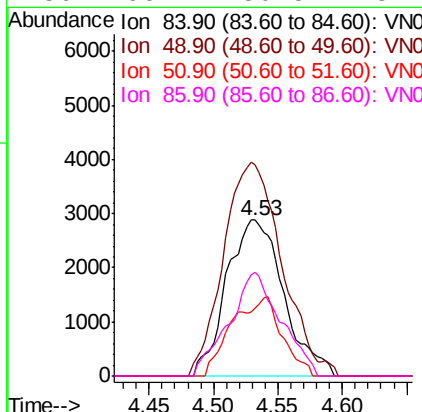
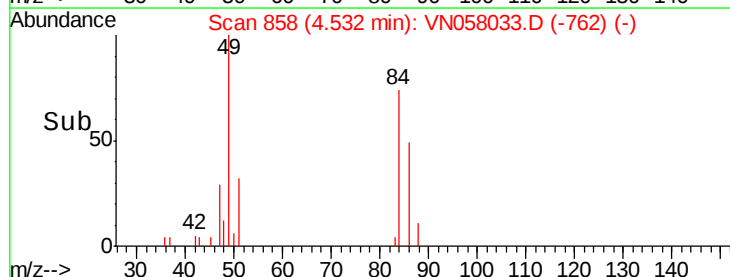
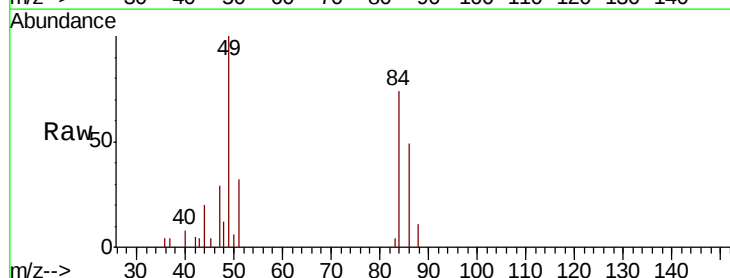
Instrument :
MSVOA_N
ClientSampleId :
T1-1-(1.5)

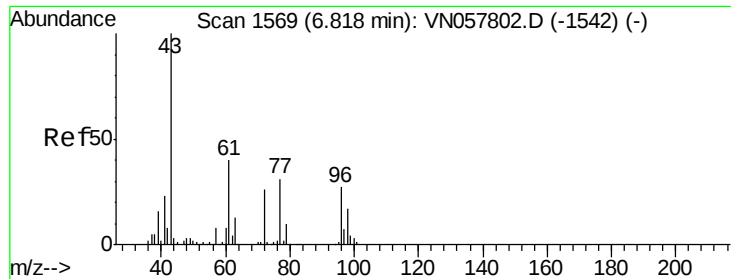
Tgt Ion: 43 Resp: 6662
Ion Ratio Lower Upper
43 100
74 12.1 17.9 26.9#



#20
Methylene Chloride
Concen: 1.024 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Tgt Ion: 84 Resp: 8862
Ion Ratio Lower Upper
84 100
49 135.7 104.8 157.2
51 43.2 33.0 49.4
86 66.4 50.5 75.7

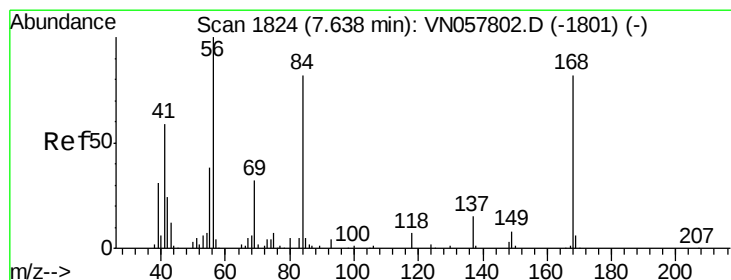
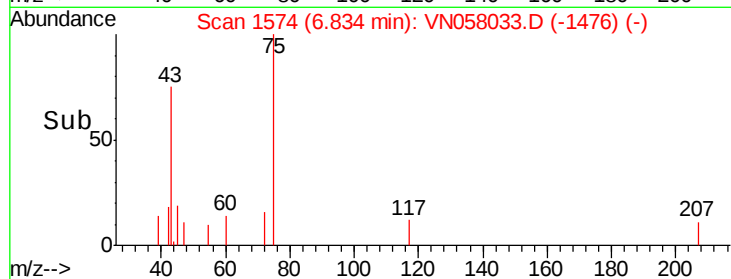
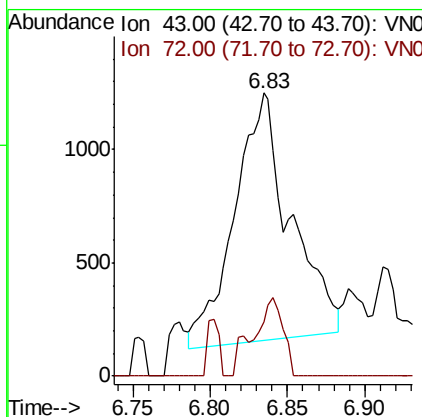
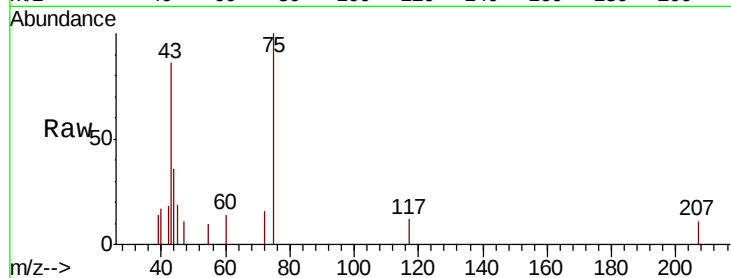




#25
2-Butanone
Concen: 0.912 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

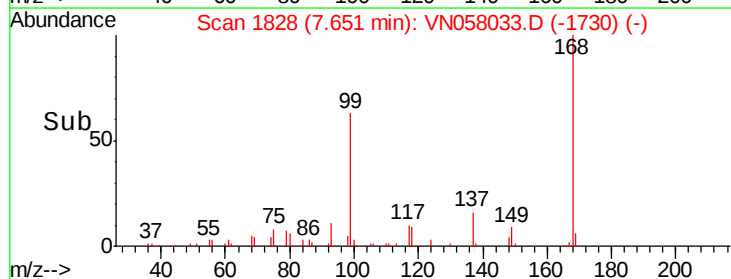
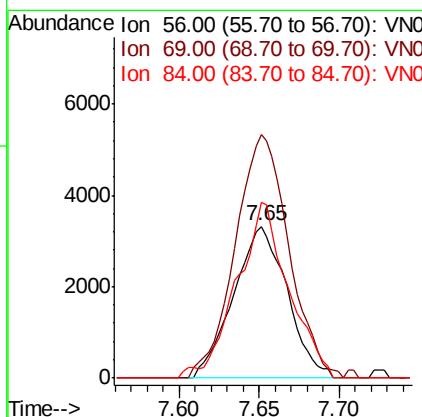
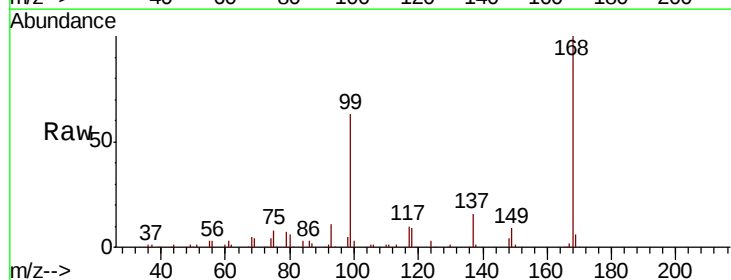
Instrument :
MSVOA_N
ClientSampled :
T1-1-(1.5)

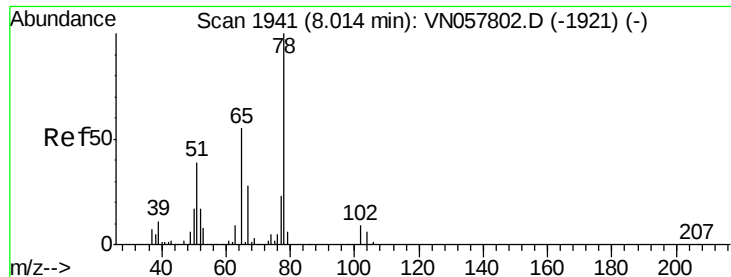
Tgt Ion: 43 Resp: 2757
Ion Ratio Lower Upper
43 100
72 22.4 20.6 30.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Tgt Ion: 56 Resp: 7612
Ion Ratio Lower Upper
56 100
69 160.6 25.9 38.9#
84 116.1 65.6 98.4#

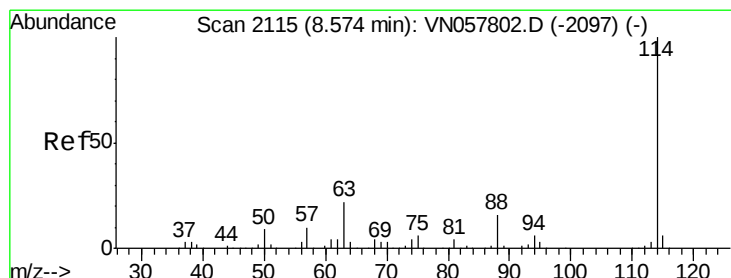
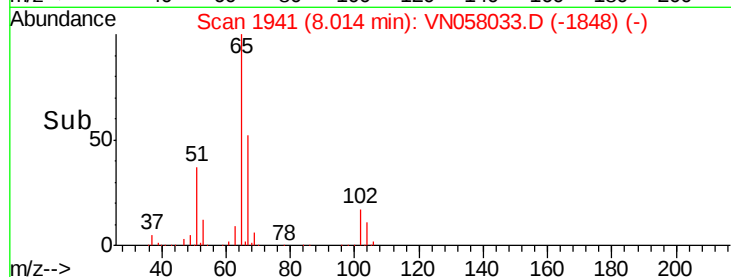
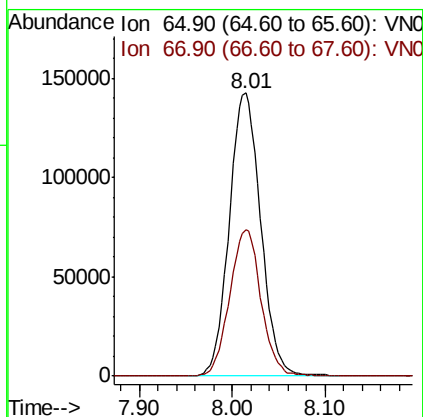
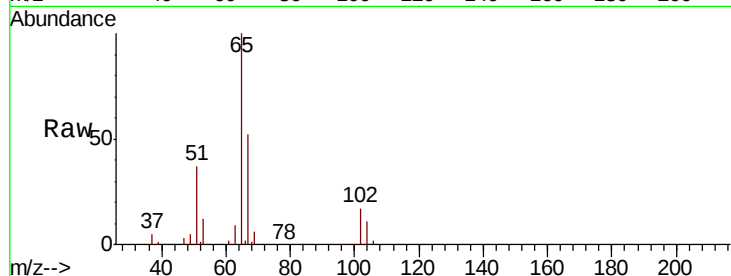




#33
 1,2-Dichloroethane-d4
 Concen: 52.792 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

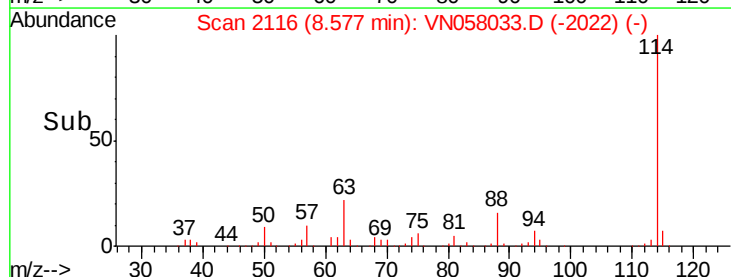
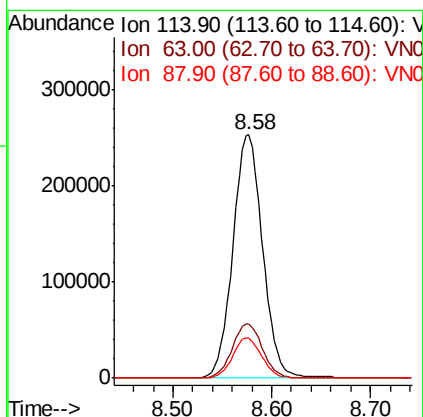
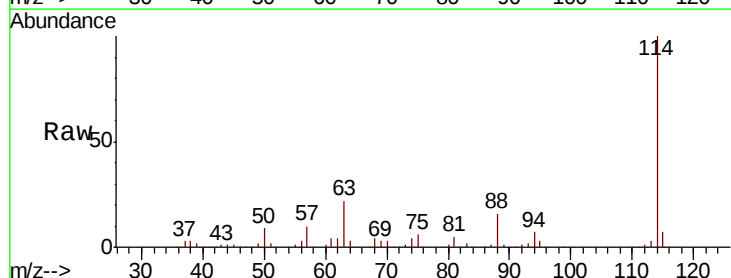
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 MSVOA_N
 ClientSampleId :
 T1-1-(1.5)

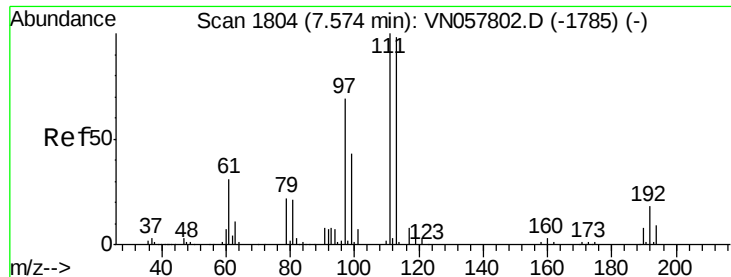
Tgt Ion: 65 Resp: 336235
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

Tgt Ion: 114 Resp: 530840
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 16.2 0.0 31.4

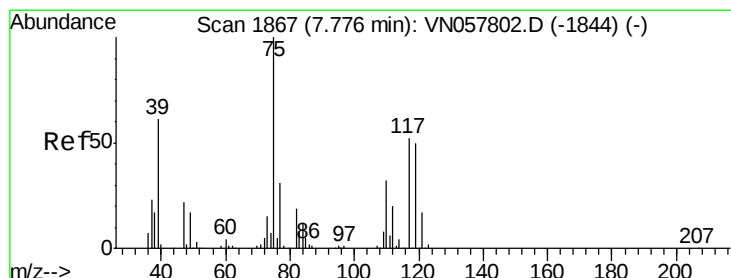
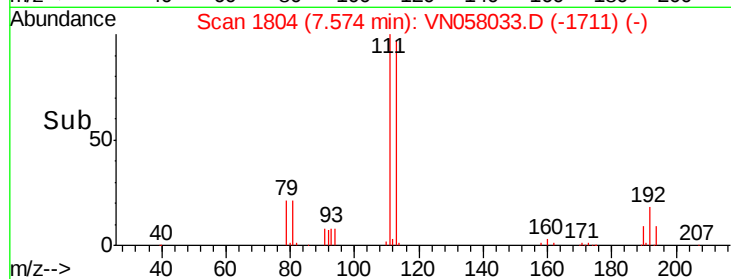
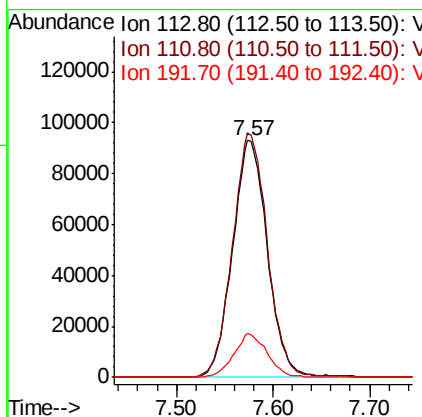
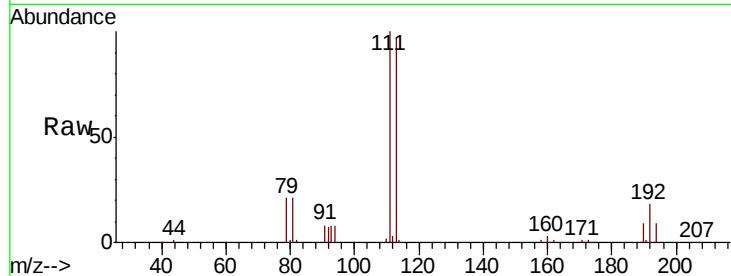




#35
 Dibromofluoromethane
 Concen: 47.427 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

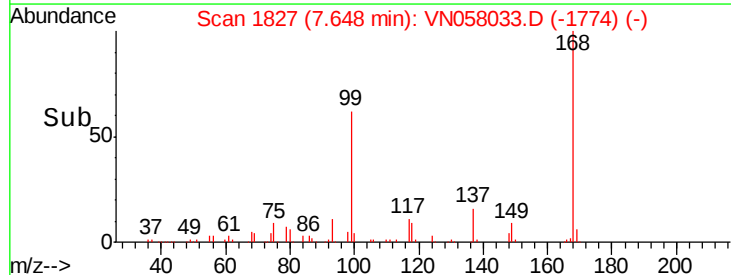
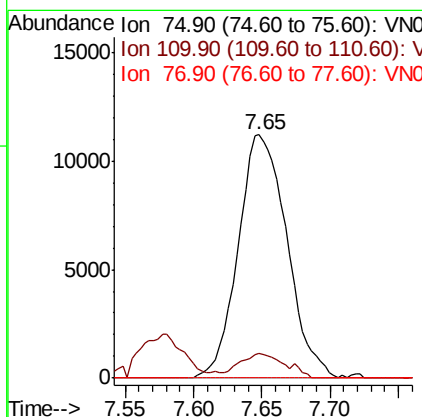
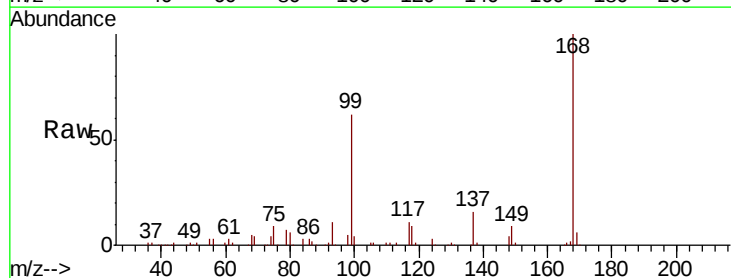
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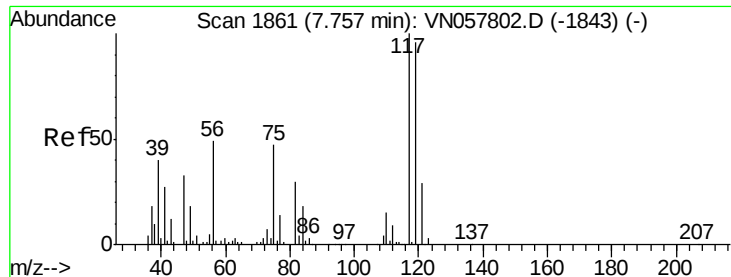
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	232367		
111	102.9	81.3	121.9	
192	17.8	14.6	22.0	



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27796		
110	9.5	16.3	48.9#	
77	0.0	25.0	37.4#	

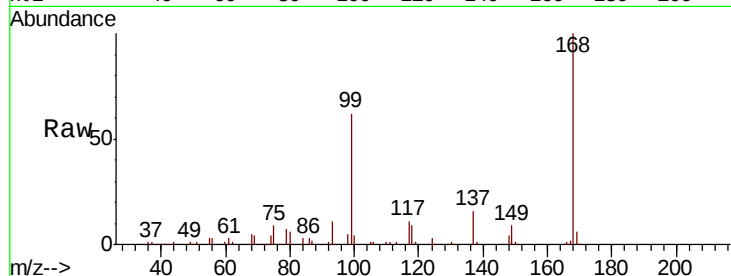




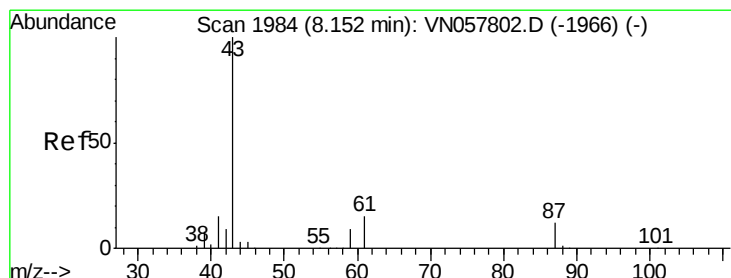
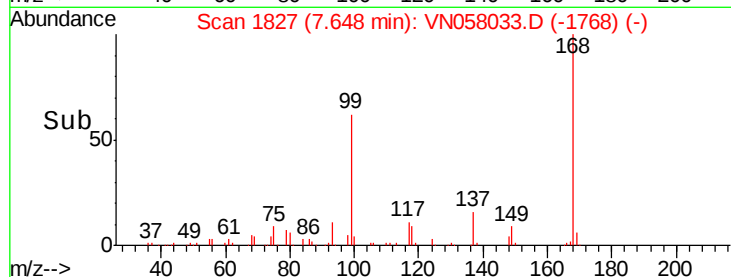
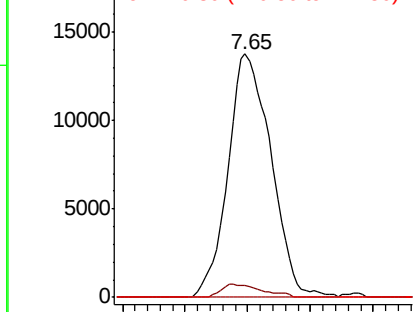
#38
Carbon Tetrachloride
Concen: 5.845 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Instrument :
MSVOA_N
ClientSampled :
T1-1-(1.5)

Tgt Ion: 117 Resp: 32851
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 23.4 35.2#

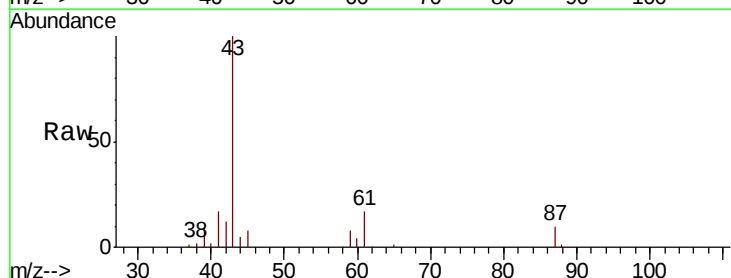


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

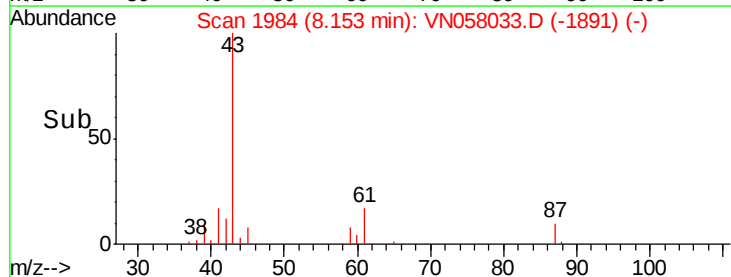
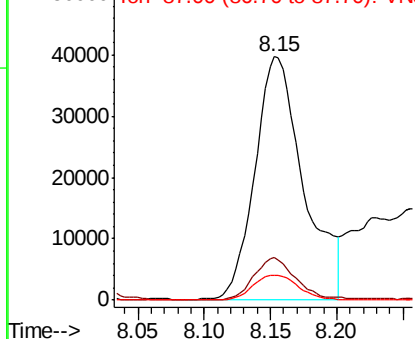


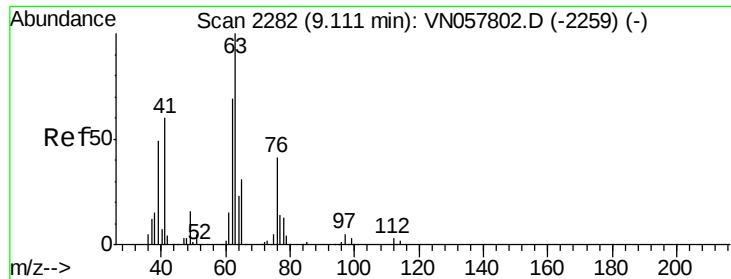
#43
Isopropyl Acetate
Concen: 9.530 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Tgt Ion: 43 Resp: 101935
Ion Ratio Lower Upper
43 100
61 14.7 20.1 30.1#
87 9.4 9.5 14.3#



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





#45

1,2-Dichloropropane

Concen: 0.261 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampled :

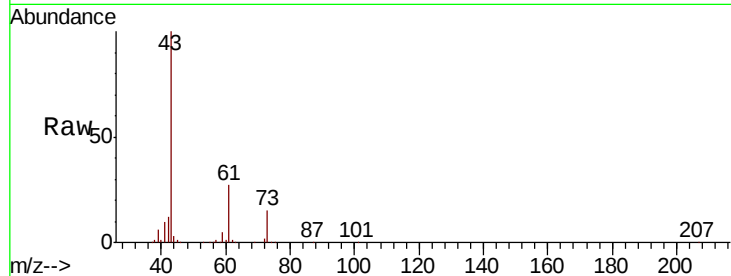
T1-1-(1.5)

Tgt Ion: 63 Resp: 1407

Ion Ratio Lower Upper

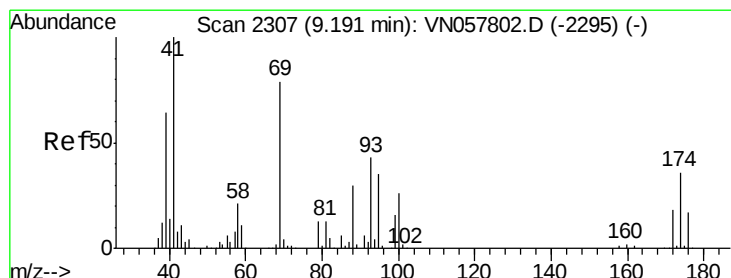
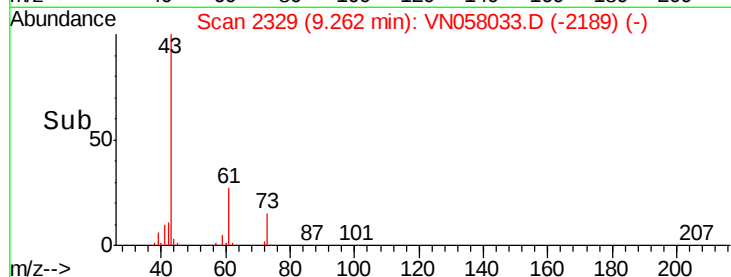
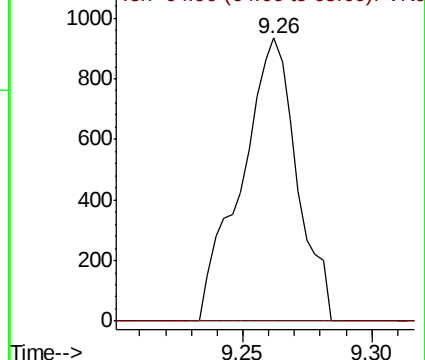
63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 0.867 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

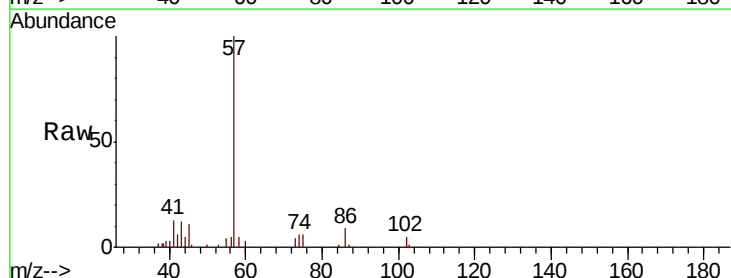
Tgt Ion: 41 Resp: 4707

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

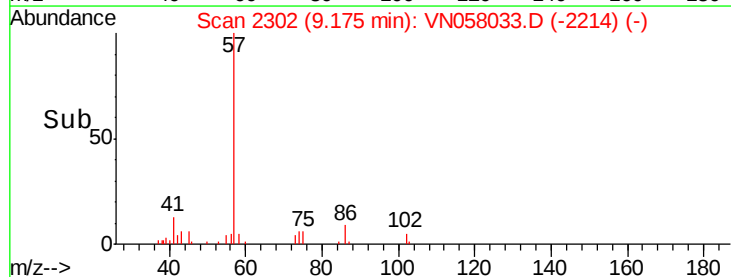
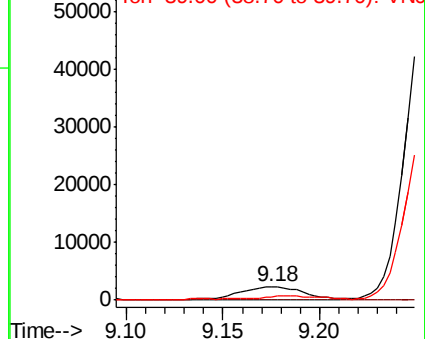
39 0.0 52.7 79.1#

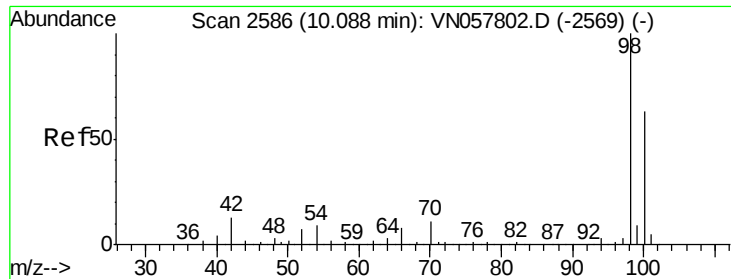


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#50

Toluene-d8

Concen: 46.808 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampled :

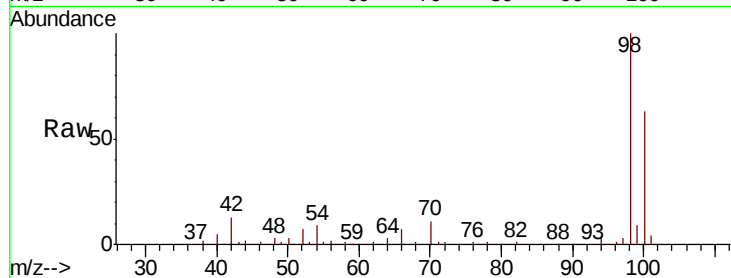
T1-1-(1.5)

Tgt Ion: 98 Resp: 890399

Ion Ratio Lower Upper

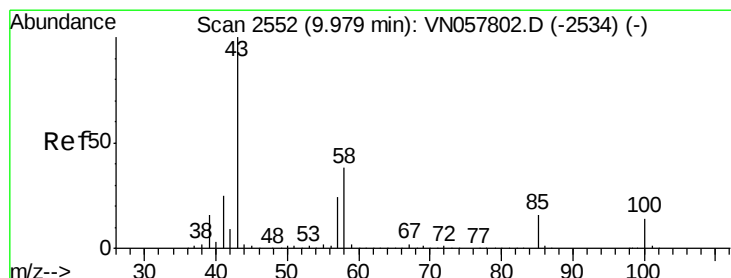
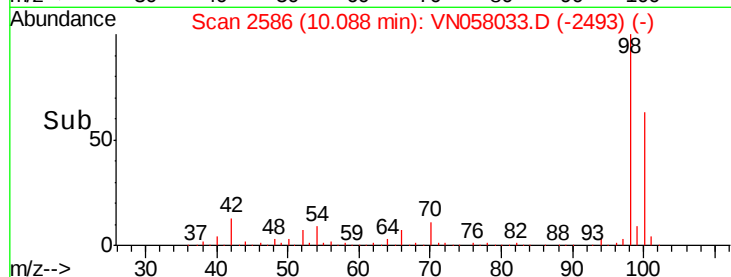
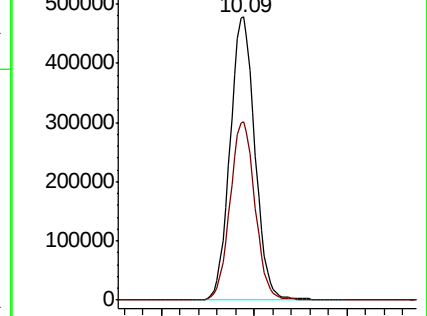
98 100

100 63.1 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.217 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058033.D

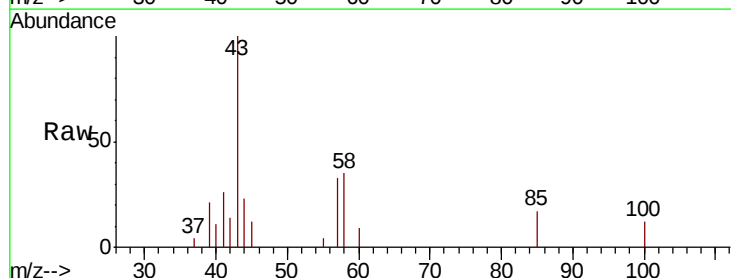
Acq: 13 Sep 2019 21:35

Tgt Ion: 43 Resp: 7706

Ion Ratio Lower Upper

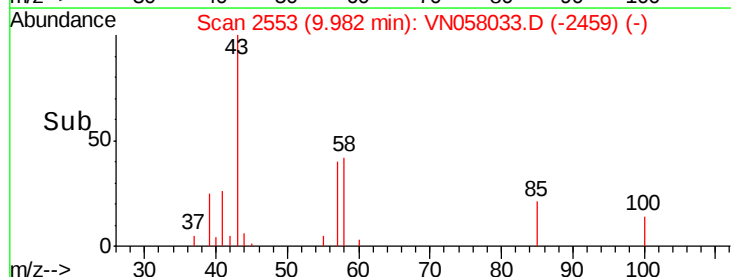
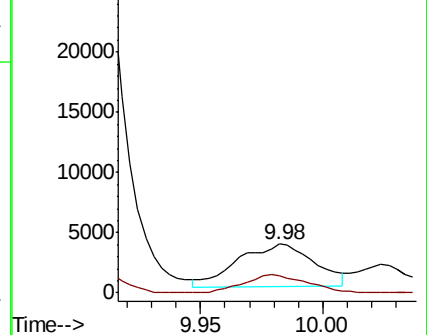
43 100

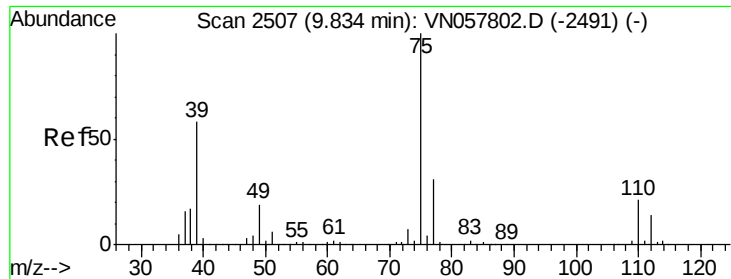
58 35.3 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



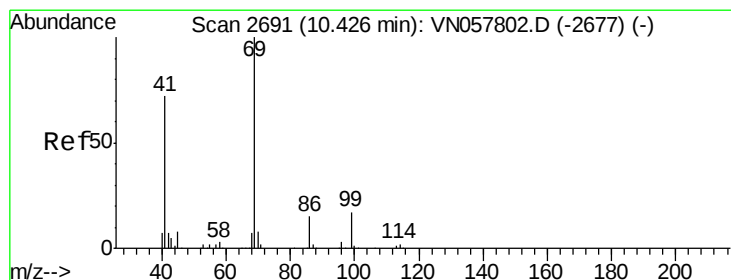
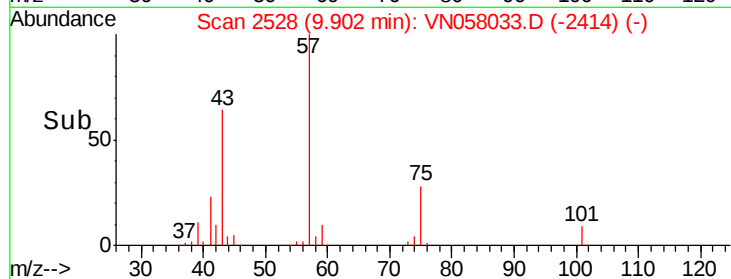
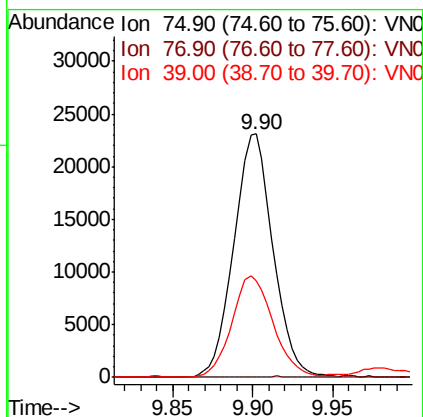
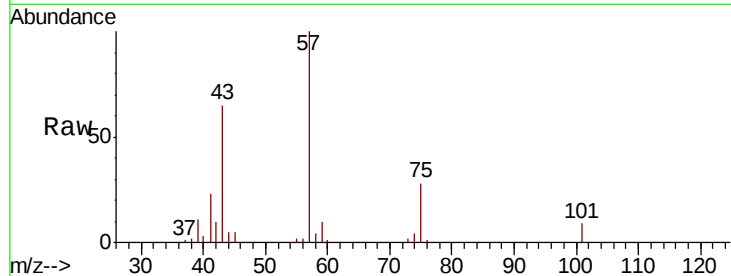


#54

cis-1,3-Dichloropropene
 Concen: 5.097 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-1-(1.5)

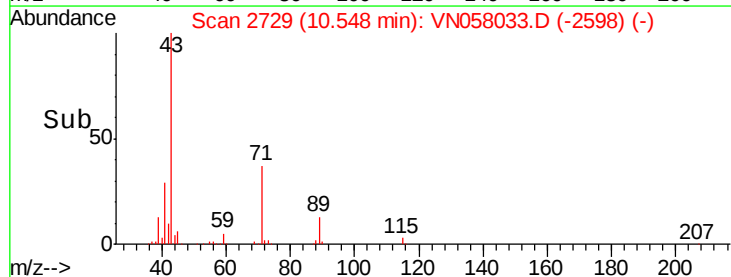
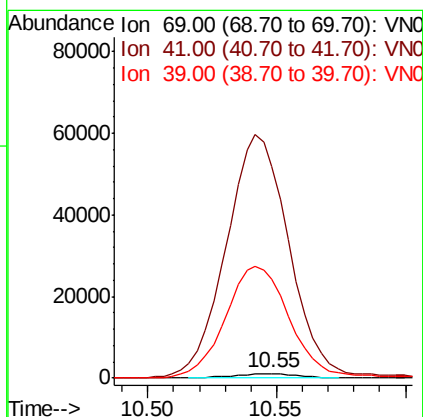
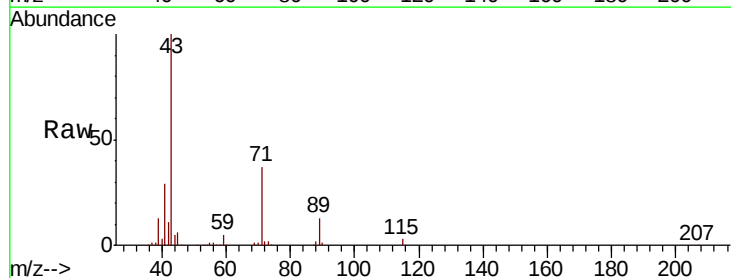
Tgt Ion: 75 Resp: 38563
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 39.9 46.2 69.4#

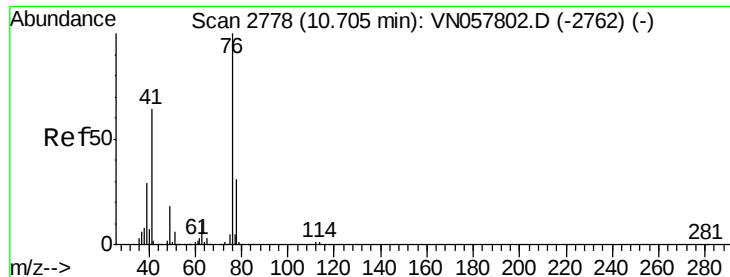


#56

Ethyl methacrylate
 Concen: 0.247 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

Tgt Ion: 69 Resp: 1840
 Ion Ratio Lower Upper
 69 100
 41 5489.9 56.7 85.1#
 39 2608.2 36.3 54.5#





#57

1,3-Dichloropropane

Concen: 0.613 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampled :

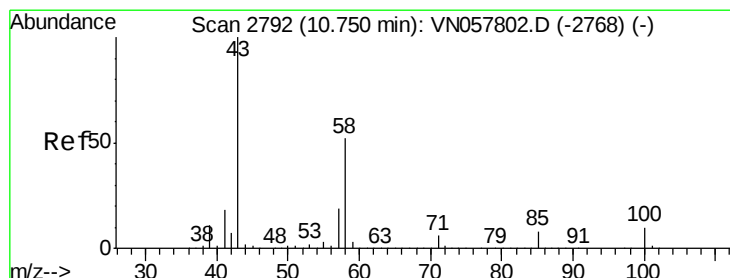
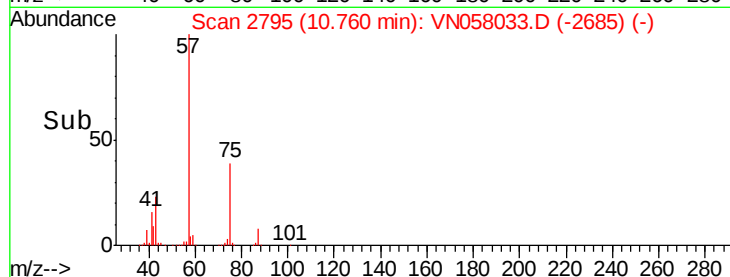
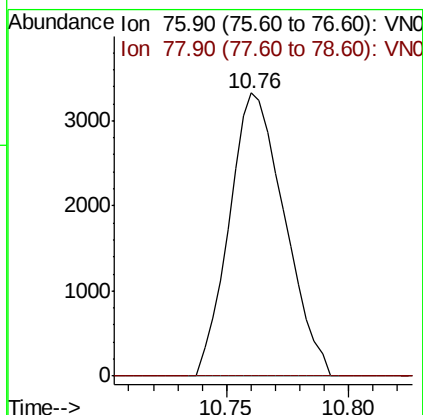
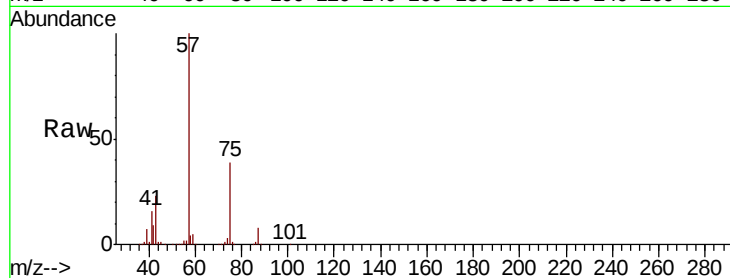
T1-1-(1.5)

Tgt Ion: 76 Resp: 5227

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



#59

2-Hexanone

Concen: 19.333 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058033.D

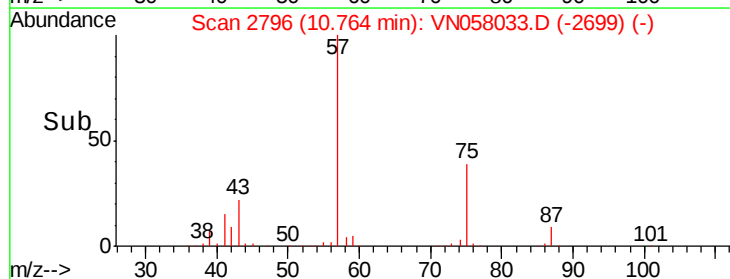
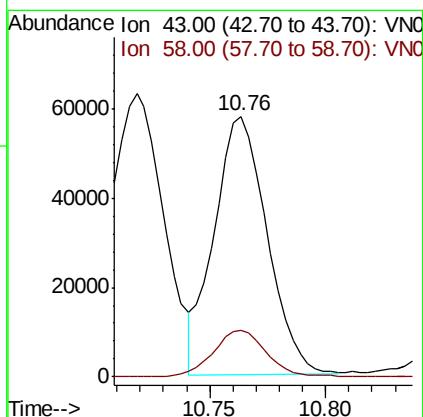
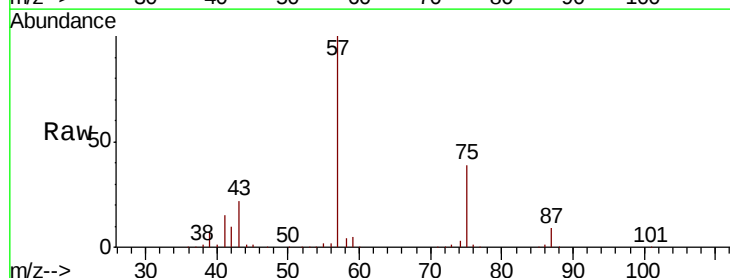
Acq: 13 Sep 2019 21:35

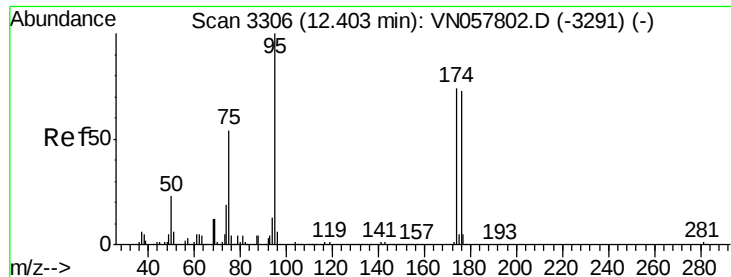
Tgt Ion: 43 Resp: 91724

Ion Ratio Lower Upper

43 100

58 18.2 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 42.262 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampleId :

T1-1-(1.5)

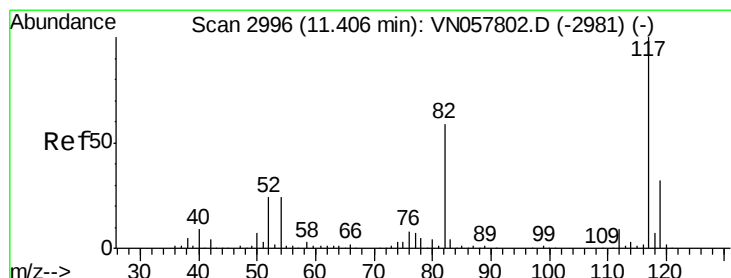
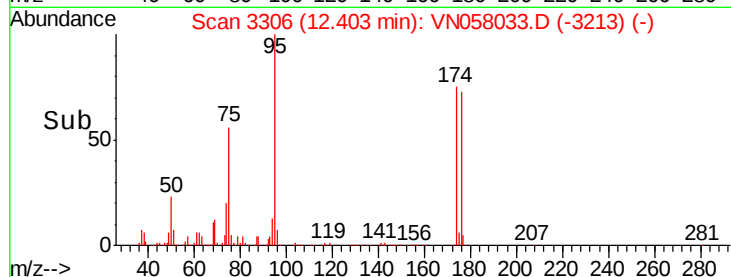
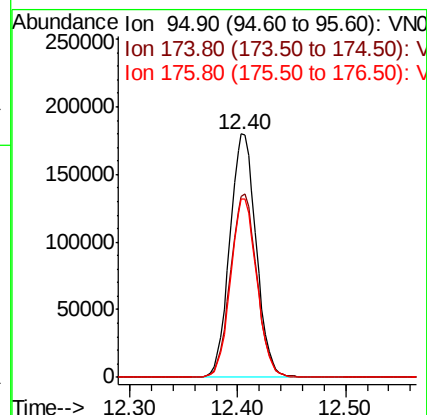
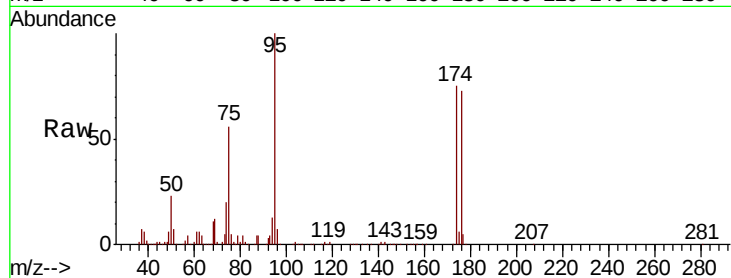
Tgt Ion: 95 Resp: 306364

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 72.8 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

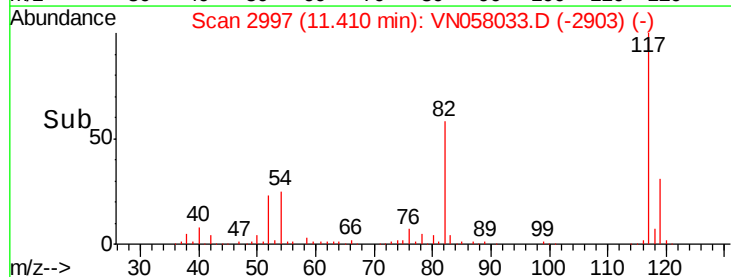
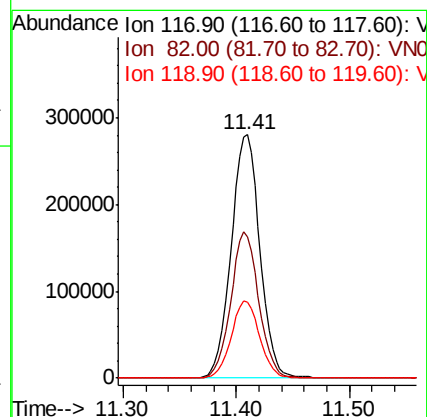
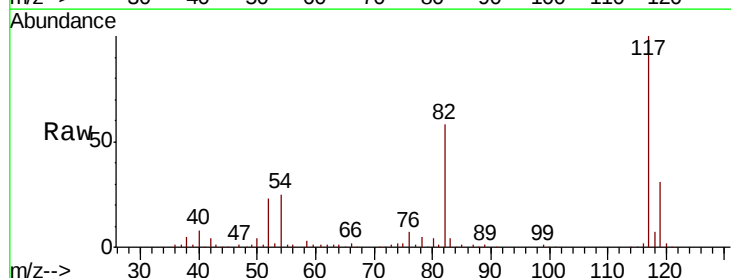
Tgt Ion: 117 Resp: 494488

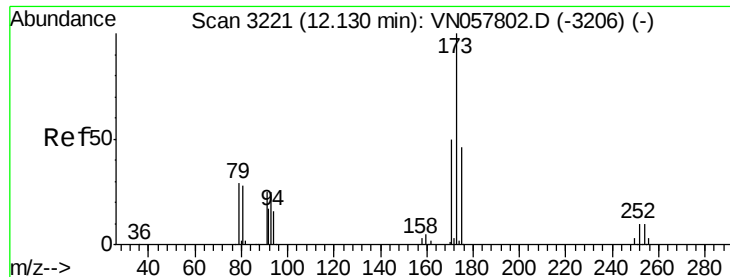
Ion Ratio Lower Upper

117 100

82 58.3 47.2 70.8

119 31.2 25.3 37.9

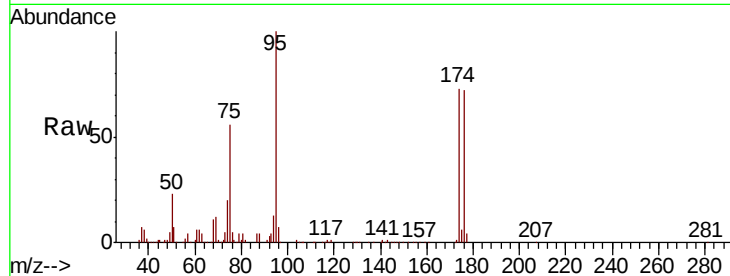




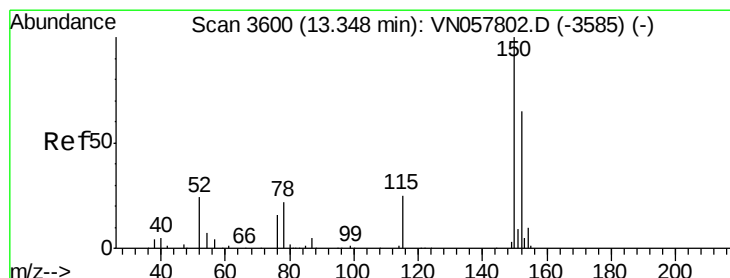
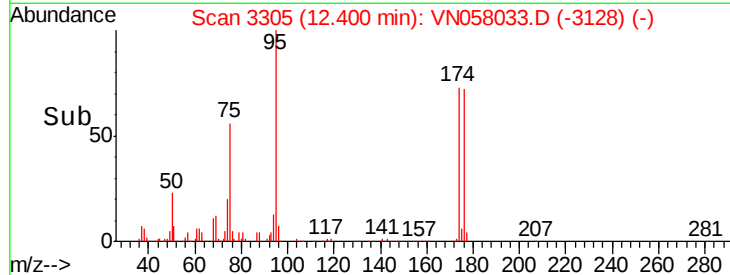
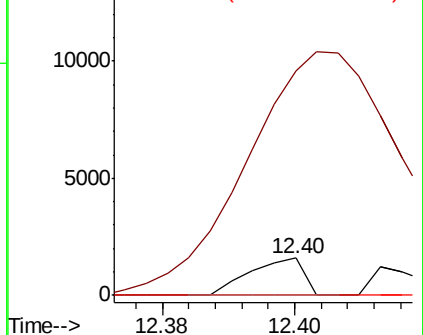
#71
Bromoform
Concen: 0.321 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Instrument :
MSVOA_N
ClientSampled :
T1-1-(1.5)

Tgt Ion:173 Resp: 898
Ion Ratio Lower Upper
173 100
175 1679.3 23.5 70.6#
254 0.0 0.1 0.1#

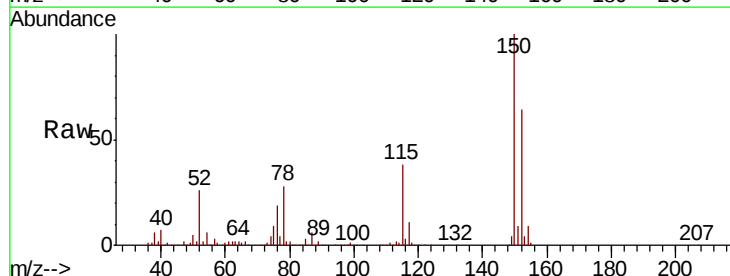


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

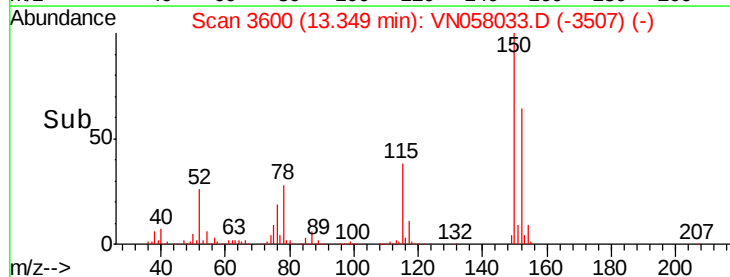
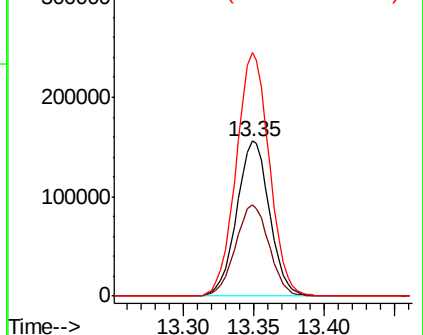


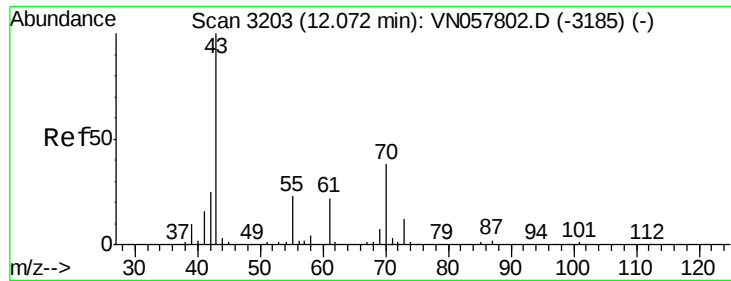
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058033.D
Acq: 13 Sep 2019 21:35

Tgt Ion:152 Resp: 254535
Ion Ratio Lower Upper
152 100
115 60.5 30.3 91.0
150 158.4 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.383 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampleId :

T1-1-(1.5)

Tgt Ion: 43 Resp: 3292

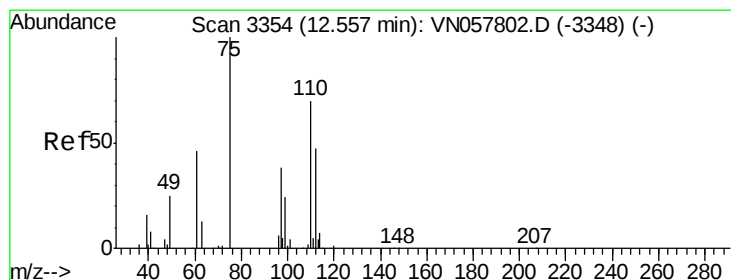
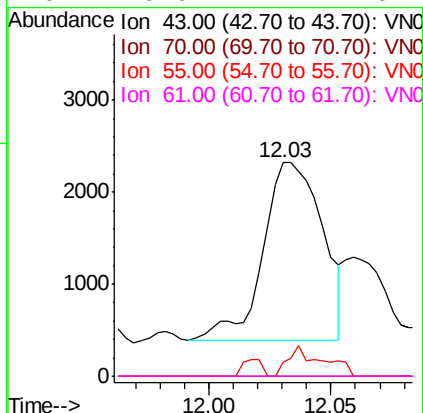
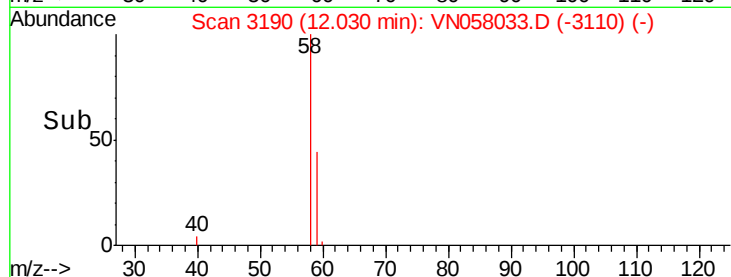
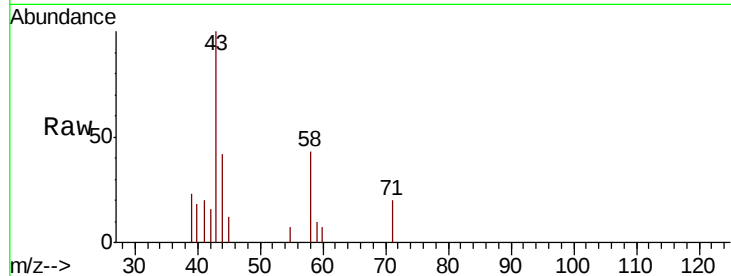
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 9.8 18.6 27.8#

61 0.0 17.4 26.2#



#76

1,2,3-Trichloropropane

Concen: 29.427 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058033.D

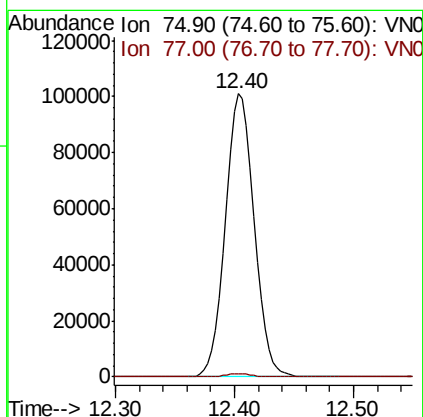
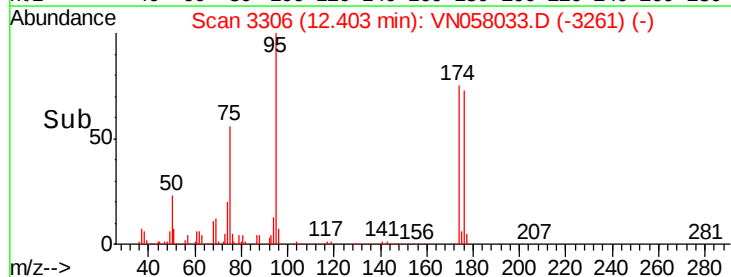
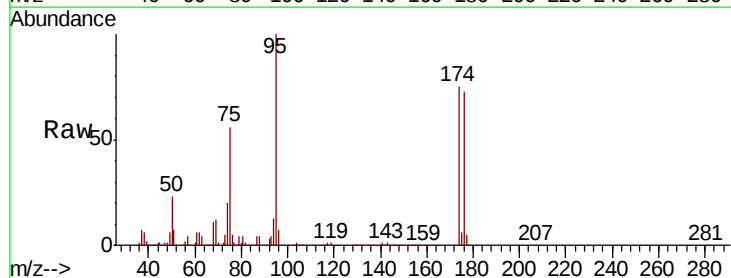
Acq: 13 Sep 2019 21:35

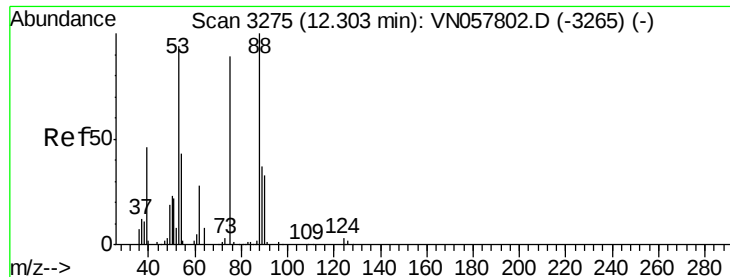
Tgt Ion: 75 Resp: 169441

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 103.554 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

Instrument :

MSVOA_N

ClientSampled :

T1-1-(1.5)

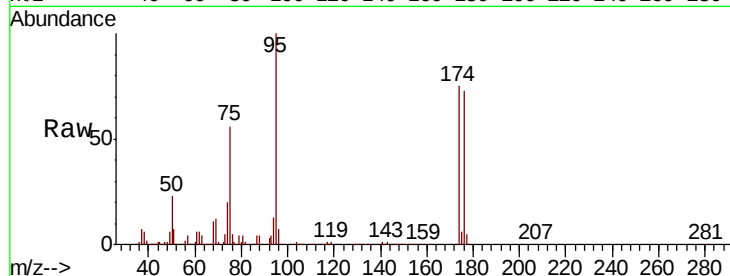
Tgt Ion: 75 Resp: 169441

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

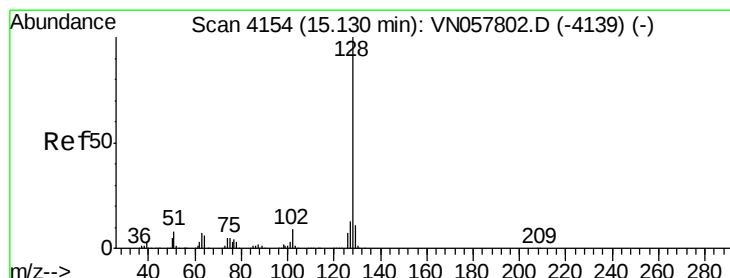
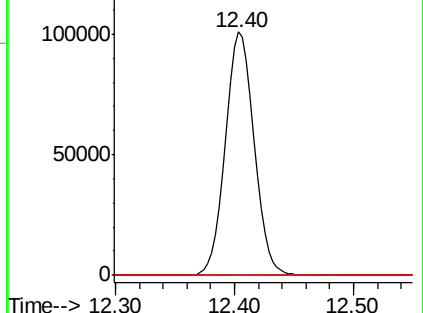
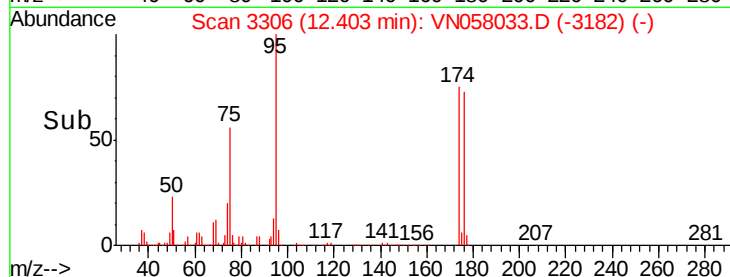
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN058033.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058033.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058033.D (-3182) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058033.D

Acq: 13 Sep 2019 21:35

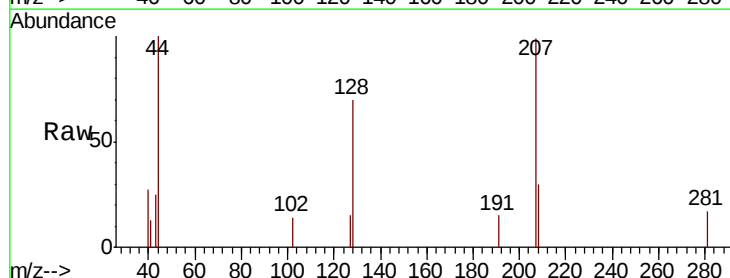
Tgt Ion: 128 Resp: 1442

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

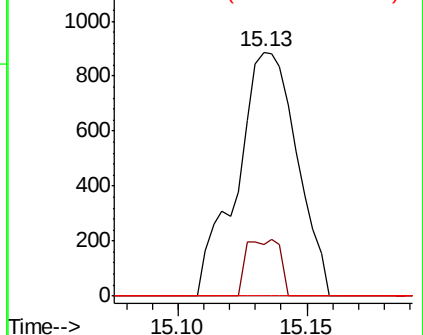
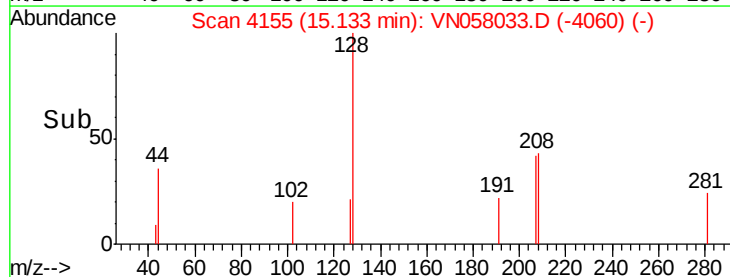
129 0.0 8.6 12.8#

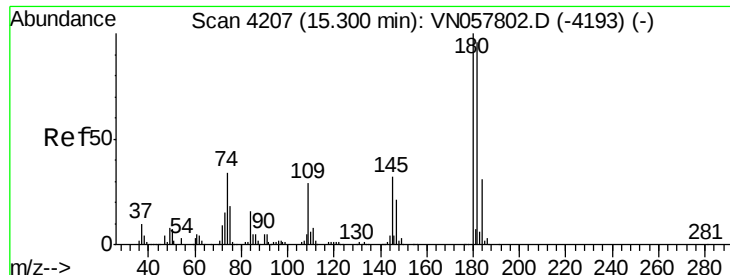


Abundance Ion 128.00 (127.70 to 128.70): VN058033.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN058033.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN058033.D (-4060) (-)

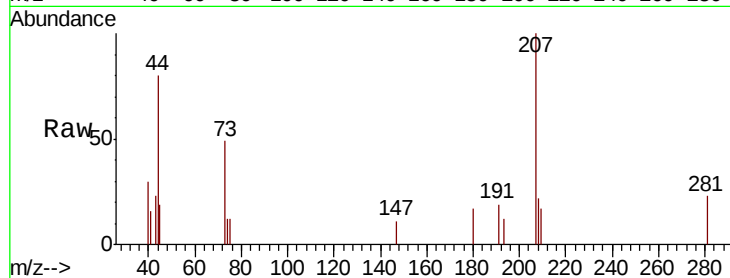




#96
 1,2,3-Trichlorobenzene
 Concen: 1.028 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN058033.D
 Acq: 13 Sep 2019 21:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-1-(1.5)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	123.2	48.3	144.8
145	0.0	16.3	48.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

